



# Digital Materials Data Sheet

## RIGID OPAQUE MATERIALS

PRIMARY MATERIAL: VEROWHITEPLUS™ RGD835  
SECONDARY MATERIAL: VEROBLOCKPLUS™ RGD875

| PROPERTY              | ASTM     | UNITS | RGD8310-DM, RGD8320-DM, RGD8330-DM |
|-----------------------|----------|-------|------------------------------------|
| Tensile strength      | D-638-03 | MPa   | 50-65                              |
| Elongation at break   | D-638-05 | %     | 10-25                              |
| Modulus of elasticity | D-638-04 | MPa   | 2000-3000                          |
| Flexural strength     | D-790-03 | MPa   | 75-110                             |
| Flexural modulus      | D-790-04 | MPa   | 2200-3200                          |
| HDT, oC @ 0.45MPa     | D-648-06 | °C    | 45-50                              |
| Izod notched impact   | D-256-06 | J/m   | 20-30                              |

PRIMARY MATERIAL: VEROBLOCKPLUS™ RGD840  
SECONDARY MATERIAL: VEROBLOCKPLUS™ RGD875

| PROPERTY              | ASTM     | UNITS | RGD8210-DM |
|-----------------------|----------|-------|------------|
| Tensile strength      | D-638-03 | MPa   | 50-60      |
| Elongation at break   | D-638-05 | %     | 15-25      |
| Modulus of elasticity | D-638-04 | MPa   | 2000-3000  |
| Flexural strength     | D-790-03 | MPa   | 60-70      |
| Flexural modulus      | D-790-04 | MPa   | 1900-2500  |
| HDT, oC @ 0.45MPa     | D-648-06 | °C    | 45-50      |
| Izod notched impact   | D-256-06 | J/m   | 20-30      |

PRIMARY MATERIAL: VEROWHITEPLUS RGD835  
SECONDARY MATERIAL: TANGOBLOCKPLUS™ FLX980 / TANGOPLUS™ FLX930

| PROPERTY              | ASTM     | UNITS   | RGD8505-DM<br>RGD8510-DM<br>RGD8515-DM<br>RGD8520-DM | RGD8525-DM<br>RGD8425-DM<br>(ONLY OBJET<br>TANGOPLUS FLX930) |
|-----------------------|----------|---------|--|--|
| Tensile strength      | D-638-03 | MPa     | 40-60  | 35-45  |
| Elongation at break   | D-638-05 | %       | 15-25  | 20-30  |
| Modulus of elasticity | D-638-04 | MPa     | 1700-2300  | 1400-2000  |
| Flexural strength     | D-790-03 | MPa     | 55-75  | 45-60  |
| Flexural modulus      | D-790-04 | MPa     | 1500-2500  | 1400-1800  |
| HDT, °C @ 0.45MPa     | D-648-06 | °C      | 40-45  | 40-43  |
| Izod notched impact   | D-256-06 | J/m     | 22-35  | 22-35  |
| Shore hardness (D)    | D2240-05 | Scale D | 81.1-85.5  | 79.5-83.5  |

PRIMARY MATERIAL: VERO BLACKPLUS RGD875  
SECONDARY MATERIAL: TANGOBLOCKPLUS FLX980 / TANGOPLUS FLX930

| PROPERTY              | ASTM     | UNITS   | RGD8555-DM RGD8455-DM |
|-----------------------|----------|---------|-----------------------|
| Tensile strength      | D-638-03 | MPa     | 35-45                 |
| Elongation at break   | D-638-05 | %       | 20-30                 |
| Modulus of elasticity | D-638-04 | MPa     | 1400-2000             |
| Flexural strength     | D-790-03 | MPa     | 45-60                 |
| Flexural modulus      | D-790-04 | MPa     | 1400-1800             |
| HDT, °C @ 0.45MPa     | D-648-06 | °C      | 40-43                 |
| Izod notched impact   | D-256-06 | J/m     | 25-35                 |
| Shore hardness (D)    | D2240-05 | Scale D | 79.5-83.5             |

PRIMARY MATERIAL: HIGH TEMPERATURE RGD525  
SECONDARY MATERIAL: TANGOBLOCKPLUS FLX980

| PROPERTY              | ASTM     | UNITS | RGD5205-DM<br>RGD5210-DM<br>RGD5215-DM<br>RGD5220-DM<br>RGD5225-DM | RGD5250-DM* |
|-----------------------|----------|-------|--|-------------|
| Tensile strength      | D-638-03 | MPa   | 43-55  | 50-56       |
| Elongation at break   | D-638-05 | %     | 9-15   | 18-27       |
| Modulus of elasticity | D-638-04 | MPa   | 1600-2700  | 1700-2400   |
| Flexural strength     | D-790-03 | MPa   | 50-100   | 47-70       |
| Flexural modulus      | D-790-04 | MPa   | 1700-2700  | 1400-2000   |
| HDT, °C @ 0.45MPa     | D-648-06 | °C    | 46-60  | 50-56       |
| Izod notched impact   | D-256-06 | J/m   | 16-19  | 16-26       |

PRIMARY MATERIAL: HIGH TEMPERATURE RGD525  
SECONDARY MATERIAL: TANGOPLUS FLX930

| PROPERTY              | ASTM     | UNITS | RGD5150-DM |
|-----------------------|----------|-------|------------|
| Tensile strength      | D-638-03 | MPa   | 45-60      |
| Elongation at break   | D-638-05 | %     | 18-27      |
| Modulus of elasticity | D-638-04 | MPa   | 1700-2400  |
| Flexural strength     | D-790-03 | MPa   | 47-70      |
| Flexural modulus      | D-790-04 | MPa   | 1400-2000  |
| HDT, oC @ 0.45MPa     | D-648-06 | °C    | 50-56      |
| Izod notched impact   | D-256-06 | J/m   | 16-26      |

\* Vero™-like DM with higher temperature resistance  
Find material properties for color materials on the Color Digital Materials Data Sheet.

## RIGID OPAQUE MATERIALS

PRIMARY MATERIAL: VEROWHITEPLUS RGD835  
SECONDARY MATERIAL: TANGOBLACK™ FLX973

| PROPERTY              | ASTM     | UNITS | RGD8110 - DM | RGD8120 - DM | RGD8130 - DM |
|-----------------------|----------|-------|--------------|--------------|--------------|
| Tensile strength      | D-638-03 | MPa   | 45-65        | 46-65        | 27-33        |
| Elongation at break   | D-638-05 | %     | 10-30        | 10-30        | 25-35        |
| Modulus of elasticity | D-638-04 | MPa   | 2000-3000    | 2000-3000    | 1500-2100    |
| Flexural strength     | D-790-03 | MPa   | 70-100       | 70-100       | 40-50        |
| Flexural modulus      | D-790-04 | MPa   | 2000-3000    | 2000-3000    | 1400-1800    |
| HDT, oC @ 0.45MPa     | D-648-06 | °C    | 43-50        | 43-50        | 40-45        |
| Izod notched impact   | D-256-06 | J/m   | 20-35        | 20-35        | 30-40        |

## TRANSPARENT MATERIALS

PRIMARY MATERIAL: RGD720  
SECONDARY MATERIAL: VEROBLOCKPLUS RGD875

| PROPERTY              | ASTM     | UNITS | RGD7513-DM (DOTS)<br>RGD7523-DM (GRID) |
|-----------------------|----------|-------|--|
| Tensile strength      | D-638-03 | MPa   | 50-65                                  |
| Elongation at break   | D-638-05 | %     | 15-25                                  |
| Modulus of elasticity | D-638-04 | MPa   | 2000-3000                              |
| Flexural strength     | D-790-03 | MPa   | 80-110                                 |
| Flexural modulus      | D-790-04 | MPa   | 2700-3300                              |
| HDT, oC @ 0.45MPa     | D-648-06 | °C    | 45-50                                  |
| Izod notched impact   | D-256-06 | J/m   | 20-30                                  |

PRIMARY MATERIAL: RGD720  
SECONDARY MATERIAL: TANGOBLACK FLX973

| PROPERTY              | ASTM     | UNITS | RGD7210-DM | RGD7220-DM | RGD7230-DM |
|-----------------------|----------|-------|------------|------------|------------|
| Tensile strength      | D-638-03 | MPa   | 50-55      | 50-55      | 45-50      |
| Elongation at break   | D-638-05 | %     | 15-25      | 15-25      | 15-25      |
| Modulus of elasticity | D-638-04 | MPa   | 2200-2500  | 2000-2300  | 1700-2000  |
| Flexural strength     | D-790-03 | MPa   | 80-90      | 75-85      | 70-80      |
| Flexural modulus      | D-790-04 | MPa   | 2300-2700  | 2200-2600  | 2100-2400  |
| HDT, oC @ 0.45MPa     | D-648-06 | °C    | 45-50      | 45-50      | 45-50      |
| Izod notched impact   | D-256-06 | J/m   | 20-30      | 20-30      | 20-30      |

PRIMARY MATERIAL: VEROCLEAR™ RGD810  
SECONDARY MATERIAL: TANGOPLUS FLX930 /  
TANGOBLACKPLUS FLX980

| PROPERTY              | ASTM     | UNITS   | RGD8705-DM<br>RGD8710-DM<br>RGD8715-DM<br>RGD8720-DM | RGD8625-DM<br>RGD8725-DM |
|-----------------------|----------|---------|--|--------------------------|
| Tensile strength      | D-638-03 | MPa     | 40-60  | 35-45                    |
| Elongation at break   | D-638-05 | %       | 15-25  | 20-30                    |
| Modulus of elasticity | D-638-04 | MPa     | 1,700-2,300  | 1,400-2,000              |
| Flexural strength     | D-790-03 | MPa     | 55-75  | 45-60                    |
| Flexural modulus      | D-790-04 | MPa     | 1,500-2,500  | 1,400-1,800              |
| HDT, oC @ 0.45MPa     | D-648-06 | °C      | 40-45  | 40-43                    |
| Izod notched impact   | D-256-06 | J/m     | 22-35  | 25-35                    |
| Shore hardness (D)    | D2240-05 | Scale D | 81.1-85.5  | 79.5-83.5                |

## SIMULATED POLYPROPYLENE MATERIALS

PRIMARY MATERIAL: DURUSWHITE™ RGD430  
SECONDARY MATERIAL: VEROWHITEPLUS RGD835, VEROBLOCKPLUS RGD875 OR RGD720

| PROPERTY              | ASTM     | UNITS | RGD4310-DM<br>RGD4410-DM<br>RGD4510-DM<br>RGD4710-DM |
|-----------------------|----------|-------|--|
| Tensile strength      | D-638-03 | MPa   | 30-40  |
| Elongation at break   | D-638-05 | %     | 40-50  |
| Modulus of elasticity | D-638-04 | MPa   | 1200-1600  |
| Flexural strength     | D-790-03 | MPa   | 40-50  |
| Flexural modulus      | D-790-04 | MPa   | 1300-1700  |
| HDT, oC @ 0.45MPa     | D-648-06 | °C    | 40-45  |
| Izod notched impact   | D-256-06 | J/m   | 35-45  |

PRIMARY MATERIAL: VEROWHITEPLUS RGD835  
SECONDARY MATERIAL: TANGOPLUS FLX930 / TANGOBLACKPLUS FLX980

| PROPERTY              | ASTM     | UNITS   | RGD8430-DM<br>RGD8530-DM |
|-----------------------|----------|---------|--------------------------|
| Tensile strength      | D-638-03 | MPa     | 29-38                    |
| Elongation at break   | D-638-05 | %       | 25-35                    |
| Modulus of elasticity | D-638-04 | MPa     | 1100-1700                |
| Flexural strength     | D-790-03 | MPa     | 35-45                    |
| Flexural modulus      | D-790-04 | MPa     | 1200-1500                |
| HDT, °C @ 0.45MPa     | D-648-06 | °C      | 38-41                    |
| Izod notched impact   | D-256-06 | J/m     | 21-40                    |
| Shore hardness (D)    | D2240-05 | Scale D | 76.1-81.7                |

## SIMULATED POLYPROPYLENE MATERIALS

| PRIMARY MATERIAL: VEROLBLACKPLUS RGD875<br>SECONDARY MATERIAL: TANGOPLUS FLX930 / TANGOLBLACKPLUS FLX980 |          |         |                          |
|--|----------|---------|--------------------------|
| PROPERTY   | ASTM     | UNITS   | RGD8460-DM<br>RGD8560-DM |
| Tensile strength   | D-638-03 | MPa     | 29-38                    |
| Elongation at break  | D-638-05 | %       | 25-35                    |
| Modulus of elasticity  | D-638-04 | MPa     | 1100-1700                |
| Flexural strength  | D-790-03 | MPa     | 35-45                    |
| Flexural modulus   | D-790-04 | MPa     | 1200-1500                |
| HDT, °C @ 0.45MPa  | D-648-06 | °C      | 38-41                    |
| Izod notched impact  | D-256-06 | J/m     | 21-40                    |
| Shore hardness (D)   | D2240-05 | Scale D | 76.1-81.7                |

| PRIMARY MATERIAL: RIGUR™<br>SECONDARY MATERIAL: TANGOLBLACKPLUS FLX980 |          |         |  |
|--|----------|---------|--|
| PROPERTY   | ASTM     | UNITS   | RGD4805-DM<br>RGD4810-DM<br>RGD4815-DM<br>RGD4820-DM |
| Tensile strength   | D-638-03 | MPa     | 25-45  |
| Elongation at break  | D-638-05 | %       | 35-45  |
| Modulus of elasticity  | D-638-04 | MPa     | 1200-1800  |
| Flexural strength  | D-790-03 | MPa     | 30-40  |
| Flexural modulus   | D-790-04 | MPa     | 1000-1400  |
| HDT, °C @ 0.45MPa  | D-648-06 | °C      | 43-48  |
| Izod notched impact  | D-256-06 | J/m     | 50-70  |
| Shore hardness (D)   | D2240-05 | Scale D | 81.1-85.5  |

| PRIMARY MATERIAL: VEROCLEAR RGD810<br>SECONDARY MATERIAL: TANGOPLUS FLX930 / TANGOLBLACKPLUS FLX980 |          |         |                          |
|---|----------|---------|--------------------------|
| PROPERTY  | ASTM     | UNITS   | RGD8630-DM<br>RGD8730-DM |
| Tensile strength  | D-638-03 | MPa     | 29-38                    |
| Elongation at break   | D-638-05 | %       | 25-35                    |
| Modulus of elasticity   | D-638-04 | MPa     | 1100-1700                |
| Flexural strength   | D-790-03 | MPa     | 35-45                    |
| Flexural modulus  | D-790-04 | MPa     | 1200-1500                |
| HDT, °C @ 0.45MPa   | D-648-06 | °C      | 38-41                    |
| Izod notched impact   | D-256-06 | J/m     | 21-40                    |
| Shore hardness (D)  | D2240-05 | Scale D | 76.1-81.7                |

| PRIMARY MATERIAL: RIGUR<br>SECONDARY MATERIAL: TANGOPLUS FLX930 / TANGOLBLACKPLUS FLX980 |          |         |  |
|--|----------|---------|--|
| PROPERTY   | ASTM     | UNITS   | RGD4825-DM<br>RGD4830-DM<br>RGD4625-DM<br>RGD4630-DM |
| Tensile strength   | D-638-03 | MPa     | 25-35  |
| Elongation at break  | D-638-05 | %       | 35-45  |
| Modulus of elasticity  | D-638-04 | MPa     | 900-1500   |
| Flexural strength  | D-790-03 | MPa     | 20-35  |
| Flexural modulus   | D-790-04 | MPa     | 800-1200   |
| HDT, °C @ 0.45MPa  | D-648-06 | °C      | 43-46  |
| Izod notched impact  | D-256-06 | J/m     | 50-70  |
| Shore hardness (D)   | D2240-05 | Scale D | 79.5-83.5  |

## RUBBER-LIKE MATERIALS

| PRIMARY MATERIAL: TANGOLBLACKPLUS FLX980 / TANGOPLUS FLX930<br>SECONDARY MATERIAL: VEROWHITEPLUS RGD835 |        |         |                          |                          |                          |                          |                          |                          |
|---|--------|---------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| PROPERTY  | ASTM   | UNITS   | FLX9840-DM<br>FLX9740-DM | FLX9850-DM<br>FLX9750-DM | FLX9860-DM<br>FLX9760-DM | FLX9870-DM<br>FLX9770-DM | FLX9885-DM<br>FLX9785-DM | FLX9895-DM<br>FLX9795-DM |
| Tensile strength  | D-412  | MPa     | 1.3-1.8                  | 1.9-3.0                  | 2.5-4.0                  | 3.5-5.0                  | 5.0-7.0                  | 8.5-10.0                 |
| Elongation at break   | D-412  | %       | 110-130                  | 95-110                   | 75-85                    | 65-80                    | 55-65                    | 35-45                    |
| Shore hardness (A)  | D-2240 | Scale A | 35-40                    | 45-50                    | 57-63                    | 68-72                    | 80-85                    | 92-95                    |
| Tensile tear resistance   | D-624  | Kg/cm   | 5.5-7.5                  | 7.5-9.5                  | 11-13                    | 15.5-17.5                | 23-25                    | 41-44                    |

| PRIMARY MATERIAL: TANGOLBLACKPLUS FLX980 / TANGOPLUS FLX930<br>SECONDARY MATERIAL: VEROCLEAR RGD810 |        |         |                          |                          |                          |                          |                          |                          |
|---|--------|---------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| PROPERTY  | ASTM   | UNITS   | FLX9040-DM<br>FLX9940-DM | FLX9050-DM<br>FLX9950-DM | FLX9060-DM<br>FLX9960-DM | FLX9070-DM<br>FLX9970-DM | FLX9085-DM<br>FLX9985-DM | FLX9095-DM<br>FLX9995-DM |
| Tensile strength  | D-412  | MPa     | 1.3-1.8                  | 1.9-3.0                  | 2.5-4.0                  | 3.5-5.0                  | 5.0-7.0                  | 8.5-10.0                 |
| Elongation at break   | D-412  | %       | 110-130                  | 95-110                   | 75-85                    | 65-80                    | 55-65                    | 35-45                    |
| Shore hardness (A)  | D-2240 | Scale A | 35-40                    | 45-50                    | 57-63                    | 68-72                    | 80-85                    | 92-95                    |
| Tensile tear resistance   | D-624  | Kg/cm   | 5.5-7.5                  | 7.5-9.5                  | 11-13                    | 15.5-17.5                | 23-25                    | 41-44                    |

## RUBBER-LIKE MATERIALS (CONT.)

| PRIMARY MATERIAL: TANGOGRAY™ FLX950<br>SECONDARY MATERIAL: VEROBLOCKPLUS RGD875 |        |         |            |
|---|--------|---------|------------|
| PROPERTY  | ASTM   | UNITS   | FLX9610-DM |
| Tensile strength  | D-412  | MPa     | 9-13       |
| Elongation at break   | D-412  | %       | 45-55      |
| Shore hardness (A)  | D-2240 | Scale A | 75-85      |
| Tensile tear resistance   | D-624  | Kg/cm   | 45-50      |

| PRIMARY MATERIAL: TANGOGRAY FLX950<br>SECONDARY MATERIAL: TANGOBLOCK FLX973 |        |         |            |
|---|--------|---------|------------|
| PROPERTY  | ASTM   | UNITS   | FLX9510-DM |
| Tensile strength  | D-412  | MPa     | 1-3        |
| Elongation at break   | D-412  | %       | 35-45      |
| Shore hardness (A)  | D-2240 | Scale A | 60-70      |
| Tensile tear resistance   | D-624  | Kg/cm   | 5.0-7.0    |

| PRIMARY MATERIAL: TANGOPLUS FLX930 / TANGOBLOCKPLUS FLX980<br>SECONDARY MATERIAL: HIGH TEMPERATURE RGD525 |        |         |                          |                          |                          |                          |                          |                          |
|---|--------|---------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| PROPERTY  | ASTM   | UNITS   | FLX9540-DM<br>FLX9640-DM | FLX9550-DM<br>FLX9650-DM | FLX9560-DM<br>FLX9660-DM | FLX9570-DM<br>FLX9670-DM | FLX9585-DM<br>FLX9685-DM | FLX9595-DM<br>FLX9695-DM |
| Tensile strength  | D-412  | MPa     | 1.3-1.8                  | 2.0-2.8                  | 2.8-4.0                  | 3.8-4.9                  | 6.0-7.3                  | 9.0-12                   |
| Elongation at break   | D-412  | %       | 100-130                  | 80-100                   | 60-80                    | 50-70                    | 35-50                    | 27-40                    |
| Shore hardness (A)  | D-2240 | Scale A | 39-41                    | 52-55                    | 60-67                    | 70-78                    | 85-87                    | 95-96                    |
| Tensile tear resistance   | D-624  | Kg/cm   | 5.0-7.0                  | 8.0-10.0                 | 10.5-12.5                | 13-15                    | 22.5-24.5                | 45-47                    |

| PRIMARY MATERIAL: TANGOBLOCKPLUS FLX980 / TANGOPLUS FLX930<br>SECONDARY MATERIAL: VEROBLOCKPLUS RGD875 |        |         |                          |                          |                          |                          |                          |                          |
|--|--------|---------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| PROPERTY   | ASTM   | UNITS   | FLX2140-DM<br>FLX2040-DM | FLX2150-DM<br>FLX2050-DM | FLX2160-DM<br>FLX2060-DM | FLX2170-DM<br>FLX2070-DM | FLX2185-DM<br>FLX2085-DM | FLX2195-DM<br>FLX2095-DM |
| Tensile strength   | D-412  | MPa     | 1.3-1.8                  | 1.9-3.0                  | 2.5-4.0                  | 3.5-5                    | 5.5-7.0                  | 8.5-10                   |
| Elongation at break  | D-412  | %       | 110-130                  | 95-110                   | 75-85                    | 65-80                    | 55-65                    | 35-45                    |
| Shore hardness (A)   | D-2240 | Scale A | 35-40                    | 45-50                    | 57-63                    | 68-72                    | 80-85                    | 92-95                    |
| Tensile tear resistance  | D-624  | Kg/cm   | 5.5-7.5                  | 7.5-9.5                  | 11.0-13.0                | 15.5-17.5                | 23-25                    | 41-44                    |

| PRIMARY MATERIAL: TANGOBLOCK FLX973<br>SECONDARY MATERIAL: VEROWHITEPLUS RGD835(I),<br>VEROBLOCKPLUS RGD875(III), RGD720(II) |        |         |  |   |   |
|--|--------|---------|--|---|---|
| PROPERTY   | ASTM   | UNITS   | FLX9110-DM(I)<br>FLX9410-DM (II)<br>FLX9210-DM (III)<br>FLX9310-DM (III) | FLX9120-DM (I)<br>FLX9420-DM (II)<br>FLX9220-DM (III)<br>FLX9320-DM (III) | FLX9130-DM (I)<br>FLX9430-DM (II)<br>FLX9230-DM (III)<br>FLX9330-DM (III) |
| Tensile strength   | D-412  | MPa     | 2-4.   | 3-5   | 7-11  |
| Elongation at break  | D-412  | %       | 45-55  | 35-45   | 35-45   |
| Shore hardness (A)   | D-2240 | Scale A | 75-85  | 80-90   | 90-100  |
| Tensile tear resistance  | D-624  | Kg/cm   | 7-9  | 13-17   | 45-50   |

| PRIMARY MATERIAL: TANGOBLOCKPLUS FLX930 / TANGOPLUS FLX980<br>SECONDARY MATERIAL: DIGITAL ABS PLUS™ IVORY |        |         |                            |                            |                            |                            |                            |                          |
|---|--------|---------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------------|
| PROPERTY  | ASTM   | UNITS   | FLX95540-DM<br>FLX95040-DM | FLX95550-DM<br>FLX95050-DM | FLX95560-DM<br>FLX95060-DM | FLX95570-DM<br>FLX95070-DM | FLX95585-DM<br>FLX95085-DM | FLX2195-DM<br>FLX2095-DM |
| Tensile strength  | D-412  | MPa     | 2.3-2.5                    | 3.2-3.5                    | 3.8-4.3                    | 4.7-5.0                    | 7.0-7.7                    | 9.8-10.6                 |
| Elongation at break   | D-412  | %       | 145-155                    | 125-135                    | 95-110                     | 80-90                      | 50-65                      | 40-50                    |
| Shore hardness (A)  | D-2240 | Scale A | 35-45                      | 45-55                      | 55-65                      | 65-75                      | 80-90                      | 90-100                   |
| Tensile tear resistance   | D-624  | Kg/cm   | 5.5-6.5                    | 8.5-10.5                   | 10.0-12.0                  | 13-15                      | 22-26                      | 42-52                    |

## RUBBER-LIKE MATERIALS (CONT.)

| PRIMARY MATERIAL: AGILUS30 (FLX2040) / AGILUS30 BLACK (FLX9840)<br>SECONDARY MATERIAL: VERO |        |         |                    |                    |                    |                    |                    |                    |
|---|--------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| PROPERTY  | ASTM   | UNIT    | FLX9740<br>FLX9840 | FLX9750<br>FLX9850 | FLX9760<br>FLX9860 | FLX9770<br>FLX9870 | FLX9785<br>FLX9885 | FLX9795<br>FLX9895 |
| Tensile strength  | D-412  | MPa     | 3-4                | 3-4                | 3.5-4.5            | 4-6                | 6-10               | 10-14              |
| Elongation at break   | D-412  | %       | 190-210            | 170-210            | 150-170            | 120-140            | 70-90              | 50-70              |
| Shore hardness  | D-2240 | Scale A | 40-50              | 50-55              | 55-60              | 60-70              | 80-85              | 85-90              |
| Tensile tear resistance   | D-624  | Kg/cm   | 6.0-8.0            | 7.0-9.0            | 7.0-10.0           | 12.0-14.0          | 22.0-26.0          | 26.0-30.0          |

| PRIMARY MATERIAL: TANGOPLUS FLX930 / TANGOBLOCKPLUS FLX980<br>SECONDARY MATERIAL: RIGUR |        |         |                          |                          |                          |                          |                          |                          |
|---|--------|---------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| PROPERTY  | ASTM   | UNIT    | FLX4640-DM<br>FLX4840-DM | FLX4650-DM<br>FLX4850-DM | FLX4660-DM<br>FLX4860-DM | FLX4670-DM<br>FLX4870-DM | FLX4685-DM<br>FLX4885-DM | FLX4695-DM<br>FLX4895-DM |
| Tensile strength  | D-412  | MPa     | 1.3-1.8                  | 1.9-3.0                  | 2.5-4.0                  | 3.5-5.0                  | 5.0-7.0                  | 8.5-10.0                 |
| Elongation at break   | D-412  | %       | 110-130                  | 95-110                   | 75-85                    | 65-80                    | 55-65                    | 35-45                    |
| Shore hardness (A)  | D-2240 | Scale A | 35-40                    | 45-50                    | 57-63                    | 68-72                    | 80-85                    | 92-95                    |
| Tensile tear resistance   | D-624  | Kg/cm   | 5.5-7.5                  | 7.5-9.5                  | 11-13                    | 15.5-17.5                | 23-25                    | 41-44                    |

| PRIMARY MATERIAL: AGILUS30 (FLX2040) / AGILUS30 BLACK (FLX9840)<br>SECONDARY MATERIAL: DIGITAL ABS PLUS IVORY |        |         |                      |                      |                      |                      |                      |                      |
|---|--------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| PROPERTY  | ASTM   | UNIT    | FLX95040<br>FLX95540 | FLX95050<br>FLX95550 | FLX95060<br>FLX95560 | FLX95070<br>FLX95570 | FLX95085<br>FLX95585 | FLX95095<br>FLX95595 |
| Tensile strength  | D-412  | MPa     | 2.5-3                | 2.5-3                | 3.5-4                | 4.5-6                | 6-8                  | 9-11                 |
| Elongation at break   | D-412  | %       | 180-200              | 160-180              | 120-140              | 90-100               | 70-80                | 40-60                |
| Shore hardness  | D-2240 | Scale A | 40-50                | 45-55                | 50-60                | 65-70                | 80-85                | 85-90                |
| Tensile tear resistance   | D-624  | Kg/cm   | 5.0-7.0              | 6.0-8.0              | 7.0-9.0              | 12.0-15.0            | 15-19                | 25-29                |

| PRIMARY MATERIAL: AGILUS30 (FLX2040) / AGILUS30 BLACK (FLX9840)<br>SECONDARY MATERIAL: RIGUR |        |         |                    |                    |                    |                    |                    |                    |
|--|--------|---------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| PROPERTY   | ASTM   | UNIT    | FLX4640<br>FLX4840 | FLX4650<br>FLX4850 | FLX4660<br>FLX4860 | FLX4670<br>FLX4870 | FLX4685<br>FLX4885 | FLX4695<br>FLX4895 |
| Tensile strength   | D-412  | MPa     | 2.5-3              | 2.5-3              | 3-4                | 3.5-5              | 5.5-8.5            | 9-13               |
| Elongation at break  | D-412  | %       | 190-210            | 170-190            | 150-170            | 120-140            | 80-100             | 50-80              |
| Shore hardness   | D-2240 | Scale A | 40-50              | 50-60              | 55-60              | 65-75              | 85-90              | 85-95              |
| Tensile tear resistance  | D-624  | Kg/cm   | 4.0-6.0            | 5.0-9.0            | 6.0-10.0           | 8.0-12.0           | 16-20              | 25.0-29.0          |



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