🛑 ЕТЕС

E-TOUGHFLEX

High flexural modulus and strength for producing extremely tough parts.

E-ToughFlex features very high flexural modulus and strength, and hydrophobic properties. As a result, E-ToughFlex is ideal for producing tough end-use parts with beautiful surface finish similar to ceramic and good abrasion resistance.

MATERIAL PROPERTIES*		
Viscosity @ 30 °C	660 cP	
Hardness, Shore D	89–90	
Izod Notched Impact	20 J/m	
Heat Deflection Temperature @ 1.82 MPa	58 °C	
Vickers Hardness	18 HV	
	DRY MATERIAL	WATER IMMERSION IN 2 DAYS -37 °C
Young's Modulus	1340 MPa	1330 MPa
Ultimate Strength	67.5 MPa	68.9 MPa
Strain at Break	16%	14%
Ultimate Flexural Strength	136 MPa	120 MPa
Flexural Modulus	3,660 MPa	3,300 MPa

HANDLING

For safe handling information on this product, consult the Safety Data Sheet (SDS)

DIRECTIONS FOR USE

- This product is light sensitive; exposure to daylight, UV light or artificial lighting should be kept to a minimum during storage and handling
- Shake or stir E-ToughFlex well before use due to the possibility that the colorants may separate or precipitate over long storage periods
- 3. For best 3D printing: Mix the 3D resin before each print. Do not leave resin in printer when not in use. Filter the resin after each 3D print before reuse
- 4. Excess material can be easily wiped away with non-polar solvents.

STORAGE

Store product in a cool, dry location, in unopened containers at a temperature between 8 °C and 28 °C unless otherwise labeled. To prevent contamination of unused product, do not return any material to its original container.

RECOMMENDED PRINTER PLATFORMS

Envision One

• D4K

• P4K

*Specifications are subject to change without notice.

DISCLAIMER

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