

Digital ABS Materials

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Digital ABS (RGD5160-DM) is fabricated from RGD 515 and RGD 535 materials. It is designed to simulate ABS engineering plastics by combining high-temperature resistances with high toughness. Digital ABS is suitable for any simulated parts that require high impact resistance and shock-absorption.

Digital ABS material has a high impact resistance of 65-80J/m (1.22-1.5 ft lb/inch) and a heat deflection temperature (HDT) of 58-68 °C (136-154 °F) upon removal from the printer. A higher HDT of 82-95°C (179-203 °F) can be achieved after thermal post treatment in a programmable oven using different temperature profiles.



Digital ABS (RGD5160-DM) Is Ideal For:

- Functional Prototypes
- Molds
- Snap Fit Parts
- High or Low Temperature Use
- Electrical Parts
- Casings / Mobile Phone Casings
- Engine Parts and Covers

About Proto3000

Proto3000 connects companies and individuals to the digital tools they need in order to achieve greater capability, scalability, and efficiency. We are a company rooted in providing solutions, and through the development of our product and service portfolio, we are committed to finding the one that is right for you. Having worked with thousands of companies, from various industries, we have gained an understanding of the digital demands required in research and development, product development, and manufacturing. Our suite of solutions have been carefully selected to ensure that you can meet these demands, while positioning your business for sustainable growth and a competitive advantage.

Our business operates in four international market segments; Product Development, Manufacturing, Engineering, and Dentistry. Our solutions include rapid prototyping, 3D printing, engineering design, laser scanning and digital dental products and services.