

Perfactory® Material

RC70

EnvisionTEC's RC70 is a high temperature resistant resin for building tough and stiff parts at very high resolutions. RC70 is a nanoparticle-filled material that is used to build hard-wearing, stiff and high temperature-resistant parts that are ideal for silicone molding. They have an opaque peach color appearance. RC70 is ideal for applications requiring superior stiffness and high heat deflection temperature, such as pump housings, blades, test parts for wind tunnels, light reflectors and various automotive applications.

Properties*		
Method	Description	RC70
DIN EN ISO 527-1	Tensile Strength	39 MPa
DIN EN ISO 527-1	Elongation at Break	2.9%
DIN EN ISO 178	Flexural Strength	106 MPa
DIN EN ISO 178	Flexural Modulus	3760 MPa
ASTM D 648	Heat Deflection Temp. (at 0.46 MPa)	93°C

*All data provided is preliminary data and must be verified by the individual user.

Recommended Machines

Aureus, Apollo, Desktop XL, Perfactory® 3 Mini Multi-Lens, Perfactory® 4 Standard, Perfactory® 4 Mini, Perfactory® 4 Mini XL

Applications

Aerospace, Animation and Entertainment, Architecture and Art, Automotive, Consumer Packaged Goods, Education, Electronics, Jewelry, Manufacturing, Sporting Goods, Toys

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