



Perfactory[®] Material

RCP30

EnvisionTEC's RCP30 is a high temperature resistant resin for building tough and stiff parts at very high resolutions. It can be processed on all Perfactory products from EnvisionTEC. RCP30 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. RCP30 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	RCP30
DIN EN ISO 527-1	Tensile Strength	46 MPa
DIN EN ISO 527-1	Elongation at Break	2.5%
DIN EN ISO 178	Flexural Strength	102 MPa
DIN EN ISO 178	Flexural Modulus	3860 MPa
DIN EN ISO 180	Izod Impact - Notched	0.0016 KJ/m ²
DIN EN ISO 868	Hardness	93.1 Shore D
ASTM D 648	Heat Deflection Temp. (at 0.46 MPa)	67°C
ASTM D 648	Heat Deflection Temp. (at 1.81MPa)	53.6°C

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

Recommended Machines

Aureus, Apollo, Perfactory[®] 4 Standard, Perfactory[®] 4 Standard XL, Perfactory[®] 4 Mini, Perfactory[®] 4 Mini XL, Perfactory[®] 3 Mini Multi Lens

Applications

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

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