



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

EnvisionTEC GmbH

Brüsseler Straße 51 • D-45968
Gladbeck • Germany
Phone +49 2043 9875-0
Fax +49 2043 9875-99

EnvisionTEC, Inc.

15162 S. Commerce Dr.
Dearborn, MI 48120 • USA
Phone +1-313-436-4300
Fax +1-313-436-4303

www.envisiontec.com

info@envisiontec.com

