

RC Series

Let us print your part!¹



EnvisionTEC RC Series are high-temperature resins for building tough and stiff parts at very high resolutions. Parts made with these materials are ideal for silicone molding, pump housings, blades, test parts for wind tunnels, light reflectors and various automotive applications.

These materials are also perfect for high detail jewelry and animation applications and can be finished with a variety of methods including painting or plating.

Material Properties ²				
Description	RC25/RC30	RC31	RC70	RC90
Tensile Strength	46 MPa	35.4 MPa	39 MPa	38 MPa
Elongation at Break	2.5%	2.5%	2.9%	2.7%
Flexural Strength	102 MPa	102 MPa	106 MPa	104 MPa
Flexural Modulus	3860 MPa	3860 MPa	3760 MPa	3800 MPa
Izod Impact - Notched	0.0016 KJ/m ²	0.0016 KJ/m ²	N/A	N/A
Hardness	93.1 Shore D	93.1 Shore D	N/A	N/A
Heat Deflection Temperature at 0.46 MPa	67°C	67°C	93°C	73°C
Heat Deflection Temperature at 1.81 MPa	53.6°C	53.6°C	N/A	N/A

Recommended 3D Printer Family³
 Perfactory Family, Micro Family

¹ Learn more at EnvisionTEC.com/printmypart
² All data provided is preliminary and must be verified by the individual user
³ May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.