

Ter Hell Plastic Terez® PC 9007 UV Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, UV Stabilized

Material Notes:

Description: Crystal clear, low viscosity Polycarbonate with mold release and UV-stabilized. Application: For thin-walled injection molded parts. Information provided by Ter Hell Plastic GMBH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ter-Hell-Plastic-Terez-PC-9007-UV-Polycarbonate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ISO 1183
Water Absorption	0.35 %	0.35 %	ISO 62
Melt Flow	14 g/10 min @Load 1.20 kg, Temperature 300 °C	14 g/10 min @Load 2.65 lb, Temperature 572 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	dry; ISO 527
Elongation at Break	50 %	50 %	dry; ISO 527
Elongation at Yield	6.0 %	6.0 %	dry; ISO 527
Tensile Modulus	2.30 GPa	334 ksi	dry; ISO 527
Charpy Impact, Notched	2.50 J/cm ²	11.9 ft-lb/in ²	dry; ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	130 °C	266 °F	ISO 75
Vicat Softening Point	145 °C	293 °F	B/50; ISO 306
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Processing Properties	Metric	English	Comments
Processing Temperature	270 - 300 °C	518 - 572 °F	
Drying Temperature	120 °C	248 °F	
Dry Time	4 hour	4 hour	

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