

Polyram RamLloy PZF101 PC/PBT Alloy, Chemical Resistance

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Polybutylene Terephthalate (PBT) Blend, Unreinforced , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

PC/PBT alloy for injection molding applications, low temperature and chemical resistance. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PZF101-PCPBT-Alloy-Chemical-Resistance.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.000030 cm/cm	0.000030 in/in	ISO 2577
Melt Flow	18 g/10 min @Load 5.00 kg, Temperature 250 °C	18 g/10 min @Load 11.0 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527
Elongation at Break	135 %	135 %	ISO 527
Tensile Modulus	1.80 GPa	261 ksi	ISO 527
Flexural Strength	75.0 MPa	10900 psi	ISO 178
Flexural Modulus	1.70 GPa	247 ksi	ISO 178
Izod Impact, Notched (ISO)	55.0 kJ/m ² @Temperature -30.0 °C	26.2 ft-lb/in ² @Temperature -22.0 °F	ISO 180
	65.0 kJ/m ² @Temperature 23.0 °C	30.9 ft-lb/in ² @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	ISO 75
Flame Spread	10 mm/min	0.39 in/min	FMVSS302

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