

Polyram RamTal PM8427 Acetal, Impact modified

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Impact Modified

Material Notes:

Impact modified polyacetal for injection molding applications Information provided by Polyram Ram On Ind.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamTal-PM8427-Acetal-Impact-modified.php

Physical Properties	Metric	English	Comments
Density	1.38 g/cc	0.0499 lb/in ³	DIN 53479
Water Absorption	0.20 %	0.20 %	DIN 53495
Linear Mold Shrinkage	0.020 - 0.023 cm/cm	0.020 - 0.023 in/in	
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 190 °C	9.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	77	77	ASTM-D785
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM-D638
Elongation at Break	70 %	70 %	ASTM-D638
Flexural Strength	60.0 MPa	8700 psi	ASTM-D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM-D790
Izod Impact, Notched	0.900 J/cm @Temperature 23.0 °C	1.69 ft-lb/in @Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	
Deflection Temperature at 0.46 MPa (66 psi)	145 °C	293 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	DIN 53461

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	DIN 53482
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	DIN 53482

Electrical Properties Dielectric Constant	Metric	English	Comments VDE 0303/4
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	24.0 kV/mm	610 kV/in	VDE 0303/4

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