

Polyram RamTal PM1509 Acetal, Low Friction

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Polyacetal copolymer for decreased friction and improved wear resistance 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-PM1509-Acetal-Low-Friction.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	DIN 53479
Water Absorption	0.22 %	0.22 %	DIN 53495
Linear Mold Shrinkage	0.020 - 0.025 cm/cm	0.020 - 0.025 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	80	80	ASTM-D785
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM-D638
Elongation at Break	50 %	50 %	ASTM-D638
Flexural Strength	75.0 MPa	10900 psi	ASTM-D790
Flexural Modulus	2.50 GPa	363 ksi	ASTM-D790
Izod Impact, Notched	0.750 J/cm @Temperature 23.0 °C	1.41 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)	160 °C	320 °F	DIN 53461
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	DIN 53461
Flammability, UL94	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.8	3.8	VDE 0303/4
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	24.0 kV/mm	610 kV/in	VDE 0303/4

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China