

RAMTAL PMH2017

Acetal (POM) Homopolymer

Polyram Ram-On Industries

Message:

GENERAL PURPOSE POLYACETAL HOMOPOLYMER FOR INJECTION MOLDING APPLICATION,MFI 1.7.

General Information			
Features	General Purpose		
	Homopolymer		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.7	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	1.8 to 2.2	%	ASTM D955
--	1.8 to 2.2	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	72.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield)	40	%	ASTM D638, ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	165	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	100	°C	ASTM D648, ISO 75-2/A
Melting Temperature	165	°C	ISO 11357-3, ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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