

RAMTAL PM8103NT7

Acetal (POM) Copolymer
Polyram Ram-On Industries

Message:
Acetal Copolymer, Impact Modified, for Injection Moulding applications.

General Information			
Additive	Impact Modifier		
Features	Copolymer		
	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.5	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	1.3 to 1.7	%	ASTM D955
--	1.3 to 1.7	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1670	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	50.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	12	%	ASTM D638, ISO 527-2
Flexural Modulus	1600	MPa	ASTM D790, ISO 178
Flexural Strength	55.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	150	J/m	ASTM D256
23°C	16	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	115	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	166	°C	ISO 11357-3, ASTM D3417
Flammability	Nominal Value	Unit	Test Method
Burning Rate (2.00 mm)	15	mm/min	FMVSS 302
Flame Rating (3.00 mm)	HB		UL 94

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