

RAMSTER PF801

Polybutylene Terephthalate

Polyram Ram-On Industries

Message:

HIGH IMPACT MODIFIED P.B.T FOR INJECTION MOLDING APPLICATIONS

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	15	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage			
Flow	1.6 to 1.9	%	ASTM D955
--	1.6 to 1.9	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	30.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	60	%	ASTM D638, ISO 527-2
Flexural Modulus	2100	MPa	ASTM D790, ISO 178
Flexural Strength	75.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	25	kJ/m ²	
23°C	70	kJ/m ²	
Notched Izod Impact			
23°C	750	J/m	ASTM D256
-30°C	20	kJ/m ²	ISO 180
23°C	60	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	100	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	225	°C	ISO 11357-3, ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Electric Strength	30	kV/mm	IEC 60243-1

Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	HB		UL 94

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