PLUSTEK RB845

Polyamide 6

Polyram Ram-On Industries

Message:

IMPACT MODIFIED POLYAMIDE 6 FOR INJECTION MOULDING APPLICATIONS

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.06 to 1.11	g/cm³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	1.2 to 1.6	%	ASTM D955
--	1.2 to 1.6	%	ISO 2577
Water Absorption			
Saturation	8.0	%	ASTM D570
Saturation, 23°C	8.0	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1700	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	55.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Yield)	> 50	%	ASTM D638, ISO 527-2
Flexural Modulus	1650	MPa	ASTM D790, ISO 178
Flexural Strength	75.0	MPa	ASTM D790, ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (-30°C)	5.4	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (-30°C)	No Break		ISO 179
Notched Izod Impact			
23°C	350	J/m	ASTM D256
-30°C	6.2	kJ/m²	ISO 180
23°C	20	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			
0.45 MPa, Unannealed	160	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	218	°C	ISO 11357-3, ASTM D3418
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+13	ohms	IEC 60093
Dielectric Constant (1 MHz)	3.50		IEC 60250

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

Recommended distributors for this material

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