

Generic PMP Copolymer

Polymethylpentene Copolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PMP Copolymer
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Density	0.833	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18 to 26	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow : 23°C	1.5 to 2.1	%	
Across Flow : 23°C	1.1 to 1.7	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	42 to 92		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	785 to 1920	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	20.0 to 30.2	MPa	
Break, 23°C	10.0 to 25.0	MPa	
Tensile Elongation (Break, 23°C)	11 to 60	%	ASTM D638
Flexural Modulus (23°C)	630 to 1770	MPa	ASTM D790
Flexural Strength (23°C)	21.0 to 51.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	19 to 28	J/m	ASTM D256
Unnotched Izod Impact Strength (23°C)	8.0 to 130	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	75.0 to 128	°C	ASTM D648
Vicat Softening Temperature	151 to 177	°C	ASTM D1525
Melting Temperature	222 to 237	°C	
CLTE - Flow	1.2E-4 to 3.8E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	63 to 66	kV/mm	ASTM D149
Dielectric Constant (23°C)	2.10 to 2.12		ASTM D150
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.460 to 1.463		ASTM D542
Transmittance	93.0 to 94.0	%	ASTM D1003
Haze	0.70 to 2.1	%	ASTM D1003

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