TPX® DX820

Polymethylpentene Copolymer Mitsui Chemicals America, Inc.

Message:

TPX® DX820 is a polymethylpentene copolymer (PMP copolymer) material. This product is available in Europe or Asia Pacific region. The processing method is: extrusion coating. TPX® The main characteristics of DX820 are: hardness.

TPX®The typical application areas of DX820 are: food contact applications

Features Rigidity, high Agency Ratings EU Unspecified Rating FDA not rated JHOSPA not rated JHOSPA not rated JHOSPA not rated Forms Particle Processing Method Extrusion coating Physical Nominal Value Unit Density 0.833 g/cm³ Melt Mass-Flow Rate (MFR) 180 g/10 min Hardness Nominal Value Unit Rockwell Hardness (R-Scale) 90 Mechanical Nominal Value Unit Tensile Modulus (23°C) 1760 MPa Tensile Strength Yield, 23°C 20.0 MPa Tensile Elongation (Break, 23°C) 6.0 Flexural Modulus (23°C) 1570 MPa Tensile Strength (23°C) 46.9 MPa Thermal Nominal Value Unit Deflection Temperature Under Load (0.45 MPa, Unannealed) Physical Softening Temperature 178 "C Melting Temperature 238 "C CLTE - Flow 8.8E-4 cm/cm/**C Electrical Nominal Value Unit Volume Resistivity 1.0E+16 ohms-cm Dielectric Strength 63 Nominal Value Unit Volume Resistivity 1.0E+16 ohms-cm Dielectric Strength 63 Nominal Value Unit U	
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Deflection Temperature Under Load (0.45 MPa, Unannealed) 90.0 °C Vicat Softening Temperature 178 °C Melting Temperature 238 °C CLTE - Flow 3.8E-4 Cm/cm/°C Electrical Nominal Value Unit Volume Resistivity 1.0E+16 ohms·cm Dielectric Strength 63 kV/mm Dielectric Constant	ASTM D790
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Melting Temperature 238 °C CLTE - Flow 3.8E-4 cm/cm/°C Electrical Nominal Value Unit Volume Resistivity 1.0E+16 ohms·cm Dielectric Strength 63 kV/mm Dielectric Constant 2.12	ASTM D1525
ElectricalNominal ValueUnitVolume Resistivity1.0E+16ohms·cmDielectric Strength63kV/mmDielectric Constant2.12	
Volume Resistivity1.0E+16ohms·cmDielectric Strength63kV/mmDielectric Constant2.12	ASTM D696
Dielectric Strength 63 kV/mm Dielectric Constant 2.12	Test Method
Dielectric Constant 2.12	ASTM D257
	ASTM D149
Optical Nominal Value Unit	ASTM D150
	Test Method
Clarity 93.0	ASTM D1746

Haze 2.6 % ASTM D1003

Additional Information

Unnotched Izod Impact, ASTM D256, 23°C: 8 kJ/m²

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