

TPX® MX004

Polymethylpentene Copolymer
Mitsui Chemicals America, Inc.

Message:

TPX®MX004 is a polymethylpentene copolymer (PMP copolymer) material. This product is available in Europe or Asia Pacific region. The processing method is extrusion or injection molding. TPX®The main characteristics of MX004 are: hardness.
TPX®Typical application areas of MX004 are: food contact applications

General Information			
Features	Medium hardness		
Agency Ratings	EU Unspecified Rating		
	FDA not rated		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.834	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	25	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.9	%	ASTM D955
Transverse flow	1.7	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	73		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1180	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, 23°C	25.0	MPa	ASTM D638
23°C	20.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	48	%	ASTM D638
Flexural Modulus (23°C)	980	MPa	ASTM D790
Flexural Strength (23°C)	33.8	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	80.0	°C	ASTM D648
Vicat Softening Temperature	170	°C	ASTM D1525
Melting Temperature	227	°C	
CLTE - Flow	3.8E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257

Dielectric Strength	63	kV/mm	ASTM D149
Dielectric Constant	2.12		ASTM D150
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.463		ASTM D542
Clarity	94.0		ASTM D1746
Haze	0.70	%	ASTM D1003

Additional Information

Unnotched Izod Impact, ASTM D256, 23°C: 98 kJ/m²

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT