

Denka TX-400S Transparent Resin Polymer (MS resin) Methyl Methacrylate Styrene

Category : Polymer , Thermoplastic

Material Notes:

"TX Polymer" (methyl methacrylate styrene), MS resins as an alternative to acrylic resins, with low density, low moisture absorption, and good moldability, "TH Polymer/TP Polymer," MBS resins with a good balance of transparency, strength and fluidity (methyl methacrylate butadiene styrene), "TE Series/CL Series," transparent ABS resins with excellent color attributes and tensile strength are available (among others). Applications TX is used for: flat display substrates optical components miscellaneous goods. TP/TH are used for: food package sheeting as well as in manufacturing electronic equipment and components miscellaneous goods TE/CL are for: electronic equipment and components information equipment components AV equipment, etc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Denka-TX-400S-Transparent-Resin-Polymer-MS-resin-Methyl-Methacrylate-Styrene.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	ASTM D792
Density	1.127 g/cc	0.04072 lb/in ³	ISO 1183
Melt Flow	0.70 g/10 min	0.70 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	
	11 g/10 min	11 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	87	87	ISO 2039-2
Tensile Strength at Break	71.0 MPa	10300 psi	5mm/min; ASTM D638
	74.0 MPa	10700 psi	5mm/min; ISO 527-2
Elongation at Break	8.0 %	8.0 %	5mm/min; ISO 527-2
Flexural Strength	119 MPa	17300 psi	2mm/min; ASTM D790
	124 MPa	18000 psi	ISO 178
Flexural Modulus	3.40 GPa	493 ksi	2mm/min; ISO 178
	3.43 GPa	497 ksi	2mm/min; ASTM D790
Izod Impact Resistance	21.0 J/cm ²	99.9 ft-lb/in ²	
Charpy Impact, Notched	0.200 J/cm ²	0.952 ft-lb/in ²	ISO 179-2

Mechanical Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	ISO 75-2
	87.0 °C	189 °F	ASTM D648
Vicat Softening Point	101 °C	214 °F	50N; ISO 306
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Haze	0.20 % @Thickness 2.00 mm	0.20 % @Thickness 0.0787 in	ISO 14782
Transmission, Visible	92 % @Thickness 2.00 mm	92 % @Thickness 0.0787 in	ISO 13468-1

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China