

Unipetrol PP MONSTEN® MT 812 Polypropylene Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Made for injection molding applications. Antistatic and transparent stabilization. Random copolymer. Information provided by Unipetrol RPA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unipetrol-PP-MONSTEN-MT-812-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO 527
Elongation at Break	>= 250 %	>= 250 %	ISO 527
Flexural Modulus	1.05 GPa	152 ksi	ISO 178
Charpy Impact, Notched	0.150 J/cm ² @Temperature -20.0 °C	0.714 ft-lb/in ² @Temperature -4.00 °F	ISO 179
	0.600 J/cm ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	48.0 °C	118 °F	ISO 75
Vicat Softening Point	132 °C	270 °F	ISO 306

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

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