

Tipco Tipcolene® MD-TPE MD TPE - Impact Modified Polypropylene Copolymer Compound for Automobile Bumpers

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

High Impact PP Copolymer Applications: Automotive Bumpers Processing: Injection Molding Information provided by the Manufacturer, Tipco Industries Ltd., India.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tipco-Tipcolene-MD-TPE-MD-TPE-Impact-Modified-Polypropylene-Copolymer-Compound-for-Automobile-Bumpers.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ASTM D792
Melt Flow	13 g/10 min	13 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	45	45	
Tensile Strength, Yield	19.5 MPa	2830 psi	ASTM D638
Elongation at Break	>= 300 %	>= 300 %	ASTM D638
Flexural Yield Strength	19.5 MPa	2830 psi	ASTM D790
Flexural Modulus	0.830 GPa	120 ksi	ASTM D790
Izod Impact, Notched (ISO)	36.0 kJ/m ²	17.1 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648

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