

Tipco Tipcolene® ISL 10 BX1 - 10% Talc/Mineral Reinforced Polypropylene Homopolymer, High Flow, Stiffness & Impact Strength

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

10% Mineral Reinforced, High Stiffness, High Impact PP Homopolymer Applications: Automotive Interiors 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-ISL-10-BX1-10-TalcMineral-Reinforced-Polypropylene-Homopolymer-High-Flow-Stiffness-Impact-Strength.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0135 cm/cm	0.0135 in/in	ASTM D955
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	
Tensile Strength, Yield	24.5 MPa	3550 psi	ASTM D638
Elongation at Break	>= 5.0 %	>= 5.0 %	ASTM D638
Flexural Yield Strength	31.0 MPa	4500 psi	ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	ASTM D790
Izod Impact, Notched (ISO)	4.40 kJ/m ²	2.09 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ASTM D648

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