

Total Lumicene® MR10MX0 Metallocene Random Copolymer Polypropylene, Injection Molding and Injection Blow Molding

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Lumicene® MR10MX0 is a metallocene random copolymer with a melt flow index of 10 g/10 min for injection and injection stretch blow molding. Lumicene® MR10MX0 differs from the other random copolymers by its molding reproducibility, outstanding organoleptic properties combined with low extractables, outstanding transparency and gloss. Producers of rigid food packaging including baby bottles, caps and closures, medical device and packaging, housewares and kitchenware will take full advantage of the new Lumicene® random metallocene product range. Peroxide is not used in the manufacturing of the above mentioned product. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lumicene-MR10MX0-Metallocene-Random-Copolymer-Polypropylene-Injection-Molding-and-Injection-Blow-Molding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.902 g/cc	0.902 g/cc	ISO 1183
Bulk Density	0.525 g/cc	0.0190 lb/in ³	ISO 1183
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.0 MPa	4500 psi	ISO 572-2
Elongation at Yield	10 %	10 %	ISO 572-2
Tensile Modulus	1.25 GPa	181 ksi	ISO 572-2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/m ²	2.38 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	140 °C	284 °F	ISO 3146

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