

Reliance Industries Repol T100MK Polypropylene

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

Material Notes:

REPOL Polypropylene T100MK is manufactured using Unipol PP process which combines the production efficiency of gas phase fluidized bed reactor technology with the high activity stereospecific catalyst system. Repol T100MK is recommended for use in injection molding & stretch blow molding processes. It is an ideal material for attaining high clarity in housewares, syringes and ISBM products. Repol T100MK contains clarifier and antistatic agent that reduces static charge buildup on products. Features: Consistent processability Good clarity Good impact strength Superior mechanical properties Low static charge build-up and reduced dust pickup Information provided by Reliance Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Reliance-Industries-Repol-T100MK-Polypropylene.php

Physical Properties	Metric	English	Comments
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	50mm/min; ASTM D638
Elongation at Yield	12 %	12 %	50mm/min; ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	1% secant; ASTM D790A
Izod Impact, Notched	0.750 J/cm @Temperature 23.0 °C	1.41 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	145 °C	293 °F	DSC second heating; ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648

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