

Reliance Industries Repol R120MK Polypropylene

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

Material Notes:

REPOL Polypropylene R120MK 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 R120MK 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 R120MK contains clarifier and antistatic agent that reduces static charge buildup on products. Features: Consistent processability Good clarity 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-R120MK-Polypropylene.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	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	1.30 GPa	189 ksi	1% secant; ASTM D790A
Izod Impact, Notched	0.600 J/cm @Temperature 23.0 °C	1.12 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °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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