

PolyMirae Moplen RP370G Blow Molding Grade Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Blow Molding Grade

Material Notes:

Moplen RP370G is the polypropylene copolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen RP370G is a copolymer particularly suitable for blow molding application including medical and cosmetic bottles. Moplen RP370G resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 178.2010 for food packaging substances with adequate additives. And contains no dangerous substances according to Federal Regulations in 21 CFR 177.1520. Features: High processability; Low extractable
Applications: IV bottle; Cosmetic bottle
Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-RP370G-Blow-Molding-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 230 °C	1.8 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	85	85	ASTM D785
Tensile Strength, Yield	35.3 MPa	5120 psi	ASTM D638
Elongation at Yield	13 %	13 %	ASTM D638
Flexural Modulus	1.03 GPa	149 ksi	ASTM D790
Izod Impact, Notched	0.686 J/cm	1.29 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	95.0 °C	203 °F	ASTM D648
Vicat Softening Point	130 °C	266 °F	ASTM D1525

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