

PolyMirae Moplen RP210R Extrusion Coating and Lamination Grade Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

Moplen RP210R is the polypropylene copolymer manufactured by PMC under the license of BASSELL using the Spheripol process. Moplen RP210R is a copolymer particularly suitable for extrusion coating and lamination of flexible film packaging. Moplen RP210R 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: Low neck-in and high speed; Adhesion to OPP substrate; Heat seal performance Applications: Flexible film packaging (OPP) Information provided by PolyMirae Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyMirae-Moplen-RP210R-Extrusion-Coating-and-Lamination-Grade-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 230 °C	22 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	21.6 MPa	3130 psi	ASTM D638
Elongation at Yield	8.0 %	8.0 %	ASTM D638
Flexural Modulus	0.785 GPa	114 ksi	ASTM D790
Izod Impact, Notched	0.981 J/cm	1.84 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ASTM D648
Vicat Softening Point	130 °C	266 °F	ASTM D1525

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