

ExxonMobil PP9074MED Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A highly clarified random copolymer resin designed for injection molding of medical devices suitable for sterilization by high energy radiation. **Availability:** Europe and North America **Features:** Controlled Rheology E-beam Sterilizable Ethylene Oxide Sterilizable High Clarity Radiation (Gamma) Resistant Radiation Sterilizable **Uses:** Hypodermic Syringe Parts Labware Medical Packaging Medical/Healthcare Applications **Processing Method:** Injection Molding **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP9074MED-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	24 g/10 min @Load 2.16 kg, Temperature 230 °C	24 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.2 MPa	2500 psi	20 in/min; ASTM D638
Tensile Strength, Yield	32.8 MPa	4750 psi	20 in/min; ASTM D638
Elongation at Break	51 %	51 %	20 in/min; ASTM D638
Elongation at Yield	13 %	13 %	20 in/min; ASTM D638
Flexural Modulus, 1% Secant	1050 MPa	153000 psi	0.05 in/min; ASTM D790A
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	ASTM D256A
Gardner Impact	23.6 J @Thickness 3.17 mm, Temperature -28.9 °C	17.4 ft-lb @Thickness 0.125 in, Temperature -20.0 °F	Geometry GC; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	8.6 %	8.6 %	ASTM D1003

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China