

ExxonMobil PP9122 Polypropylene Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Product Description: A random copolymer resin designed for extrusion blow molding applications and thermoforming of medical and other specialty devices and packaging. It has excellent organoleptics and very low ash metal content. Availability: North America

Features: Autoclave Sterilizable Clean/High Purity Ethylene Oxide Sterilizable Low Extractables Low to No Odor Steam Sterilizable Uses:

Caps Closures Labware Medical Packaging Medical/Healthcare Applications Packaging Processing Method: Blow Molding, Extrusion,

Extrusion Blow Molding, Injection Blow Molding, Profile Extrusion, Sheet Extrusion and Thermoforming Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP9122-Polypropylene-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ExxonMobil Method
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 230 °C	2.1 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.5 MPa	4140 psi	2.0 in/min; ASTM D638
Elongation at Yield	13 %	13 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	972 MPa	141000 psi	0.05 in/min; ASTM D790A
	1140 MPa	166000 psi	0.5 in/min; ASTM D790B
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	81.7 °C	179 °F	ASTM D648

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