

ExxonMobil PP4712E1 Polymer Grade for Oriented Film

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

Material Notes:

Product Description: Easy processing grade primarily for oriented film applications. Availability: North America and South America

Features: Metalizable Uses: Industrial Applications Oriented Film Tobacco Overwrap Flexible Packaging Processing Method: Film

Extrusion Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-PP4712E1-Polymer-Grade-for-Oriented-Film.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Melt Flow	2.8 g/10 min	2.8 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	3.38 MPa	490 psi	2.0 in/min; ASTM D638
Elongation at Yield	10 %	10 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1430 MPa	208000 psi	0.05 in/min; ASTM D790A
	1600 MPa	232000 psi	0.5 in/min; ASTM D790B
Izod Impact Notched	1.32 J	0.970 ft-lb	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.3 °C	191 °F	ASTM D648

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