

ExxonMobil Pax-Plus™ 3201 Blown Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

Pax-Plus 3201 is a rubber modified high density polyethylene film resin that exhibits excellent impact strength and stress crack resistance.

It is used primarily in film where its good tear resistance and laminating properties are required. Information provided by ExxonMobil

Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Pax-Plus-3201-Blown-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ExxonMobil Method
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.20 g/10 min	0.20 g/10 min	ExxonMobil Method
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	4.0 g/10 min	4.0 g/10 min	ExxonMobil Method
	@Load 10.0 kg, Temperature 190 °C	@Load 22.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.6 MPa	1680 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	12.1 MPa	1750 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	700 %	700 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Elmendorf Tear Strength MD	70 g	70 g	ASTM D1922
Elmendorf Tear Strength TD	770 g	770 g	ASTM D1922
Elmendorf Tear Strength, MD	1.38 g/micron	35.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	15.2 g/micron	385 g/mil	ASTM D1922
Dart Drop	6.30 g/micron	160 g/mil	ASTM D1709
Dart Drop Test	320 g	0.706 lb	ASTM D1709
Film Tensile Strength at Break, MD	26.8 MPa	3880 psi	ASTM D882
Film Tensile Strength at Break, TD	23.1 MPa	3350 psi	ASTM D882

1% Secant Modulus, MD Mechanical Properties	325 MPa Metric	47100 psi English	ASTM D882 Comments
1% Secant Modulus, TD	387 MPa	56200 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	130 °C	266 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	105 °C	221 °F	ExxonMobil Method

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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