

## ExxonMobil Pax-Plus™ 3204 Blown Film Resin

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

### Material Notes:

Pax-Plus 3204 is a rubber modified high density polyethylene film resin which is used primarily in film requiring good impact strength. It is specially formulated to provide easy tear in the machine direction. Its high Vicat softening point permits it to be used for short times at moderately high temperature. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Pax-Plus-3204-Blown-Film-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-Pax-Plus-3204-Blown-Film-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in <sup>3</sup>	ExxonMobil Method
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.30 g/10 min	0.30 g/10 min	ExxonMobil Method
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	5.8 g/10 min	5.8 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	14.0 MPa	2030 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	15.2 MPa	2200 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	50 g	50 g	ASTM D1922
Elmendorf Tear Strength TD	650 g	650 g	ASTM D1922
Elmendorf Tear Strength, MD	0.984 g/micron	25.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	12.8 g/micron	325 g/mil	ASTM D1922
Dart Drop	4.72 g/micron	120 g/mil	ASTM D1709
Dart Drop Test	240 g	0.529 lb	ASTM D1709
Film Tensile Strength at Break, MD	29.8 MPa	4320 psi	ASTM D882
Film Tensile Strength at Break, TD	26.6 MPa	3860 psi	ASTM D882

1% Secant Modulus, MD Mechanical Properties	399 MPa Metric	57900 psi English	ASTM D882 Comments
1% Secant Modulus, TD	484 MPa	70200 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	131 °C	267 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	114 °C	237 °F	ExxonMobil Method

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

## Contact Songhan Plastic Technology Co.,Ltd.

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