

Bapolene® 345F

Medium Density Polyethylene

Product Description

This resin is a medium molecular weight film resin with excellent tensile, impact, and tear properties. This product meets US FDA 21 CFR 177.1520.

General

Features	<ul style="list-style-type: none"> • Good Impact Resistance • Good Tear Strength 	<ul style="list-style-type: none"> • Good Toughness • High Rigidity 	<ul style="list-style-type: none"> • Medium Molecular Weight
Uses	<ul style="list-style-type: none"> • Bags 	<ul style="list-style-type: none"> • Film 	
Agency Ratings	<ul style="list-style-type: none"> • FDA 21 CFR 177.1520 		
Processing Method	<ul style="list-style-type: none"> • Film Extrusion 		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.936 g/cm ³	0.936 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30 g/10 min	0.30 g/10 min	ASTM D1238

Films	Typical Value (English)	Typical Value (SI)	Test Method
Film Thickness - Tested	1.0 mil	25 µm	
Tensile Strength ²			ASTM D882
MD : Break	7500 psi	51.7 MPa	
TD : Break	5450 psi	37.6 MPa	
Tensile Elongation ²			ASTM D882
MD : Break	300 %	300 %	
TD : Break	800 %	800 %	
Dart Drop Impact (1.0 mil (25 µm))	50 g	50 g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD	15 g	15 g	
TD	1500 g	1500 g	