

Exceed™ 1327HA

Metallocene Polyethylene Resin

Product Description

Exceed 1327HA resin is a metallocene ethylene-hexene copolymer. Films made from Exceed 1327HA resin have excellent tensile, impact strength and puncture. These superior strength properties, along with excellent drawability, allow downgauging in bag applications.

General

Additive	- Antiblock: No - Slip: No	- Processing Aid: Yes - Thermal Stabilizer: Yes	
Applications	- Bag in Box - Barrier Food Packaging - Blown Film - Food packaging - Form Fill And Seal Packaging - General Packaging	- Heavy Duty Bags - Label Film - Multilayer Packaging Film - Overwrap Film - Packaging Films - Premium Trash Bags	- Produce Bags - Shrink Film - Stand Up Pouches - Trash Bags

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.927 g/cm ³	0.927 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	1.3 g/10 min	1.3 g/10 min	ASTM D1238
Peak Melting Temperature	252 °F	122 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield MD	1800 psi	13 MPa	ASTM D882
Tensile Strength at Yield TD	2000 psi	14 MPa	ASTM D882
Tensile Strength at Break MD	8400 psi	60 MPa	ASTM D882
Tensile Strength at Break TD	7200 psi	50 MPa	ASTM D882
Elongation at Break MD	600 %	600 %	ASTM D882
Elongation at Break TD	730 %	730 %	ASTM D882
Secant Modulus MD - 1% Secant	44000 psi	300 MPa	ASTM D882
Secant Modulus TD - 1% Secant	48000 psi	330 MPa	ASTM D882
Dart Drop Impact	140 g	140 g	ASTM D1709A
Elmendorf Tear Strength MD	170 g	170 g	ASTM D1922
Elmendorf Tear Strength TD	480 g	480 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	21	21	ASTM D2457
Haze	40 %	40 %	ASTM D1003

Processing Statement

Film (1 mil/25.4 micron) made from Exceed 1327HA on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 400°F (204°C), a 60 mil (1.52 mm) die gap at a rate of 10 lbs/hr/in die circumference (1.79 kg/hr/cm).

