

Exceed™ 1327KD

Metallocene Polyethylene Resin

Product Description

Exceed 1327KD is a metallocene ethylene-hexene copolymer. It produces films which have high modulus whilst retaining good toughness. Additionally, Exceed 1327KD is fully formulated with slip and antiblock, giving a versatile ready-to-use polymer for applications such as form fill and seal.

General

Additive	- Antiblock: 750 ppm - Slip: 1300 ppm	- Processing Aid: Yes - Thermal Stabilizer: Yes	
Applications	- Bag in Box - Barrier Food Packaging - Blown Film - Bread Bags - Food packaging - Form Fill And Seal Packaging	- General Packaging - Industrial Packaging - Multilayer Packaging Film - Overwrap Film - Packaging Films - Premium Trash Bags	- Shrink Film - Stand Up Pouches - Trash Bags - Zipper Bag

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	253 °F	123 °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	7500 psi	50 MPa	ASTM D882
Tensile Strength at Break TD	6400 psi	44 MPa	ASTM D882
Elongation at Break MD	570 %	570 %	ASTM D882
Elongation at Break TD	690 %	690 %	ASTM D882
Secant Modulus MD - 1% Secant	42000 psi	290 MPa	ASTM D882
Secant Modulus TD - 1% Secant	46000 psi	320 MPa	ASTM D882
Dart Drop Impact	140 g	140 g	ASTM D1709A
Elmendorf Tear Strength MD	180 g	180 g	ASTM D1922
Elmendorf Tear Strength TD	500 g	500 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	33	33	ASTM D2457
Haze	24 %	24 %	ASTM D1003

Processing Statement

Film (1 mil/25.4 micron) made from Exceed 1327KD on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 blow-up ratio, a melt temperature of 399°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).

