

Icelene LD0339 Low Density Polyethylene Resin

Applications:

Heavy Duty Sacks ,shrink film
Agricultural film, Blending with LLDPE

Additive packages

Antioxidant

PRODUCT DESCRIPTION

LD0339 is a tubular fractional low density polyethyelene with good mechanical properites designed for wide processing range. LD0339 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR.177.1520 ,covering safe use of polyolefins articles intended for direct food contact.

Properties*	Value (SI)	Value (English)	Method
Melt Index (190°C/2.16kg)	0.33 g/10 min	0.33 g/10 min	ASTM D1238
Density	0.921 g/cm ³	0.921 g/cm ³	ASTM D1505
Tensile strength at yield MD	1800 psi	12 MPa	ASTM D882
Tensile strength at yield TD	1800 psi	12 MPa	ASTM D882
Tensile strength at break MD	4500 psi	31 MPa	ASTM D882
Tensile strength at break TD	4000 psi	28 MPa	ASTM D882
Elongation MD	150%	150%	ASTM D882
Elongation TD	630%	630%	ASTM D882
1% Secant Modulus MD	32000 psi	220 MPa	ASTM D882
1% Secant Modulus TD	43000 psi	296 MPa	ASTM D882
Elmendorf Tear MD	190 g	190 g	ASTM D1922
Elmendorf Tear TD	150 g	150 g	ASTM D1922
Dart Drop Impact Strength (F ₅₀)	180 g	180 g	ASTM D1709A
Haze	15%	15%	ASTM D1003
Gloss (45°)	39	39	ASTM D2457

* Typical Value of Properties which can vary with in specification limits and are not to be construed as specifications.

The above values were measured on a 2 mil (50.8 µm) film produced on a 2.5 inch (63.5 mm) blown film line with a 2.5:1 BUR using a die gap of 30 mil (0.8mm) die gap.

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