

TRICOLENE[®] LDF2921x

LOW DENSITY POLYETHYLENE RESIN

Product Description

- Homopolymer Resin
- Premium Clarity
- Good strength and stiffness.

Additives

- Antiblock: 1500 ppm
- Slip: 750 ppm

Typical applications include:

- Textile packaging
- Light produce
- Bread bags
- Thin packaging films

Tricolene LDF2921s is a homopolymer film resin that combines premium clarity with strength and stiffness. In addition, LDF2921x exhibits good impact strength on both flat and creased film. It is chosen for thin packaging films enhanced by clarity and sparkle.

Physical	Nominal Value	Test Method
Density	0.921 g/cm ³	ASTM 1505
Melt Index (190°C/2.16 kg)	1.8 g/10 min	ASTM D1238
Vicat Softening Point	100°C	ASTM D1525
Films	Nominal Value	Test Method
Tensile Strength		ASTM D882
<i>Yield (MD / TD)</i>	1500 psi / 1500 psi	
<i>Break (MD / TD)</i>	4000 psi / 3400 psi	
Tensile Elongation (Break, MD / TD)	300 % / 500 %	ASTM D882
Secant Modulus		ASTM D882
<i>MD - 1% Secant</i>	26000 psi	
<i>TD - 1% Secant</i>	30000 psi	
Dart Drop Impact Strength	90 g	ASTM D1709
Elmendorf Tear Strength (MD / TD)	360 g / 200 g	ASTM D1922
Optical	Nominal Value (ENG)	Test Method
Gloss (45°)	70	ASTM D2457
Haze	5.0%	ASTM D1003

Processing Statement

Film (1.5 mil / 38 micron) was made on 2.5 inch blown film line having a 6 inch die with a 30 mil die gap at a 2.5:1 blow-up ratio and a melt temperature of 362-364 °F (183-184 °C)