

# TRICOLENE® LDF2921

## LOW DENSITY POLYETHYLENE RESIN

### Product Description

- Homopolymer Film Resin
- Good Clarity

### Additive

- Antiblock: 1500 ppm
- Slip: 750 ppm
- LD: 136.MN
- Thermal Stabilizer: Yes

### Typical applications include:

- Blend Partner
- Produce Bags
- Form Film and Seal Packaging
- Food Packaging
- Textile Packaging

Tricolene LDF2921 is a homopolymer film resin with good clarity. The resin is suitable for processing on blown film equipment.

Physical	Nominal Value (ENG)	Nominal Value (SI)	Test Method
Density	0.921 g/cm <sup>3</sup>	0.921 g/cm <sup>3</sup>	
Melt Index (190°C/2.16 kg)	2.0 g/10 min	2.0 g/10 min	ASTM D1238
Peak Melting Temperature	232°F	111°C	
Films	Nominal Value (ENG)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D882
<i>Yield (MD / TD)</i>	1500 psi / 1500 psi	10 MPa / 10 MPa	
<i>Break (MD / TD)</i>	3700 psi / 2800 psi	25 MPa / 19 MPa	
Tensile Elongation (Break, MD / TD)	130 % / 540 %	130 % / 540 %	ASTM D882
Secant Modulus			ASTM D882
<i>MD - 1% Secant</i>	29000 psi	200 MPa	
<i>TD - 1% Secant</i>	36000 psi	240 MPa	
Dart Drop Impact	110 g	110 g	ASTM D1709A
Elmendorf Tear Strength (MD / TD)	460 g / 100 g	460 g / 100 g	ASTM D1922
Puncture Force	6 lbf	28 N	
Puncture Energy	3.5 in·lb	0.4 J	
Optical	Nominal Value (ENG)	Nominal Value (SI)	Test Method
Gloss (45°)	66	66	ASTM D2457
Haze	7.0%	7.0%	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)

Mar-15