

TechResin® 1419E2

Linear Low Density Polyethylene (LLDPE) Resin Hexene Copolymer for Film Extrusion Applications

TechResin® 1419E2 is a general-purpose film grade linear low density made using gas-phase technology. The resin exhibits excellent toughness and strength when drawn down to thin gauges.

TechResin® 1419E2 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Suggested Applications:

Blending Resin	Industrial Liners
Industrial Packaging	Garment Bags
Co-Extrusion	

Nominal Physical Properties:

PROPERTY	ASTM TEST METHOD	UNIT	VALUE
Density	D1505	g/cc	0.919
Melt Index, Condition E, 190°C/2.16 kg	D1238	g/10 min.	0.95
Dart Impact	D1709	g/mil.	160
Tear Strength	D1922	g/mil.	400/630*
Tensile Strength at Break	D882	psi.	4,750/3,485*
Elongation	D882	%	520/780*
Gloss, 45°	D523		33
Haze	D1003	%	21

* MD / TD

Available in the following additive packages:

Additive	1419A	1419AB	1419AH	1419AE2	1419AX
Antiblock (ppm)	7000	None	None	7000	None
Slip (ppm)	None	None	None	1500	None
Special	Additives talc based	-	High Antioxidant	Additives talc based	High Antioxidant

Note: Film Properties based on 25 Micron blown film produced with a 2.5:1 Blow Up Ratio. Actual film properties may vary depending on operating conditions and additive packages. Film properties are not intended to be used as specifications.

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