

Petrothene

L3035

Low Density Polyethylene

Film Extrusion Grade

Melt Index: 0.40 Density: 0.929



Applications

Petrothene L3035 is a fractional melt index LDPE resin that exhibits an exceptional balance of optics, modulus, puncture, tear and shrink characteristics. Typical applications include collation shrink film, shrink bundling, pallet shrink film, frozen food packaging, overwraps and heavy duty films where clarity and stiffness are important.

Regulatory Status

L3035 meets the requirements of the Food and Drug Administration regulation, 21 CFR 177.1520. This regulation allows the use of this olefin polymer "... in articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar product safety representative for more information.

Processing Techniques

Specific recommendations for processing L3035 can only be made when the processing conditions, equipment and end use are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.40	g/10 min	D1238
Density	0.929	g/cc	D1505
Film*			
Haze	7.0	%	D1003
Gloss, 45°	70	units	D2457
1% Secant Modulus, MD (TD)	44,000 (49,000)	psi	E111
Puncture Strength	1.8	joules	D5748
Elmendorf Tear, MD (TD)	230 (310)	g	D1922
Tensile Strength @ Break, MD (TD)	4,700 (4,100)	psi	D882
Tensile Strength @ Yield, MD (TD)	2,100 (2,200)	psi	D882
Elongation @ Break, MD (TD)	470 (550)	%	D882

Product	L3035
Slip (ppm)	None
Antiblock (ppm)	None

* Data obtained from 2.0 mil film produced on a 2" extruder with a 4" die, 410°F Melt Temperature, 3:1 BUR, 0.060" die gap at 50 lb/hr.

These are typical values not to be construed as specification limits.