

Petrothene®

L2560S

Low Density Polyethylene
Film Extrusion Grade

Melt Index 0.6 Density 0.925

Applications

PETROTHENE L2560S is a fractional melt index LDPE resin that exhibits a good balance of strength, clarity and heat seal characteristics. L2560S is formulated without slip but with a medium antiblock level. Typical applications include produce bags, shrink wrap, frozen food containers, bundling and diaper films.

Regulatory Status

The basic resin L2560S 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 sales representative for further information regarding the suitability of specific products for specific applications.

Processing Techniques

Specific recommendations for the processing of L2560S can be made only when the end use application, required properties and the processing equipment are known. For exact recommendations, please contact your Equistar sales representative.

Typical Properties

Property	Nominal Value		Units	ASTM Test Method
Melt Index	0.6		g/10 min	D 1238
Density	0.925		g/cc	D 1508
Film*	<u>1.25 Mil</u>	<u>2.0 Mil</u>		
Haze	8.5	8.5	%	D 1003
Gloss, 45°	60	67	units	D 2457
Tensile Strength @ Yield, MD (TD)	1,600 (1,700)	1,600 (1,700)	psi	D 882
Tensile Strength @ Break, MD (TD)	3,500 (2,500)	2,900 (2,500)	psi	D 882
Elongation @ Break, MD (TD)	120 (500)	230 (540)	%	D 882
Dart Drop Impact Strength, F ₅₀	80	120	g	D 1709
1% Secant Modulus, MD (TD)	36,000 (42,000)	(33,000 (39,000)	psi	D 882
Elmendorf Tear Strength, MD (TD)	150 (150)	450 (300)	g	D 1922

* Data obtained from films produced in a 2" commercially available extruder with a 4" die, 309°F Melt Temperature, 2:1 BUR, 0.025" die gap at 50 lb/hr.

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