

Petrothene®

NA 983-085

Low Density Polyethylene
Film Extrusion Grade

Melt Index 0.25 Density 0.920

Applications

PETROTHENE NA 983-085 is a low density polyethylene resin designed for heavy duty and shrink film applications produced by blown film extrusion. NA 983-085 exhibits high impact strength and good bubble stability. This product contains medium levels of antiblock additives.

Regulatory Status

NA 983-085 meets the requirements of the Food and Drug Administration, 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 more information.

Processing Techniques

Specific recommendations for processing NA 983-085 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

Typical Properties*

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.25	g/10 min	D 1238
Density	0.920	g/cc	D 1505
Film**			
Dart Drop Impact Strength, F ₅₀	180	g	D 1709
Tensile Strength, MD (TD)	3,000 (2,800)	psi	D 882
1% Secant Modulus, MD (TD)	30,000 (35,000)	psi	E 111
Elongation, MD (TD)	310 (430)	%	D 882

* These are typical values and are not to be construed as specific product limits.

** Film gauge: 1.25 mils

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More detailed safety and disposal information on our products is contained in the Material Safety Data Sheet (MSDS). All users of our products are urged to retain and use the MSDS. A MSDS is automatically distributed upon purchase/order execution. You may request an advance or replacement copy by calling our MSDS Hotline at (800) 700-0946.

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