

Petrothene®

NA983085

Low Density Polyethylene
Film Extrusion Grade

Melt Index 0.25 Density 0.920

Applications

PETROTHENE NA983085 is a low density polyethylene resin designed for heavy duty and shrink film applications produced by blown film extrusion. NA983085 exhibits high impact strength and good bubble stability. This product contains medium levels of antiblock additives.

Regulatory Status

NA983085 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 NA983085 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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