

Petrothene

NA285003

Medium Density Polyethylene

Film Extrusion Grade

Melt Index: 6.2 Density: 0.930

**Applications**

Petrothene NA285003 is a medium density polyethylene resin selected by customers for blown or cast film extrusion. Typical applications include overwrap film. This product exhibits good film optics and high stiffness.

Regulatory Status

NA285003 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 NA324 can be made only when the end use applications, required properties and processing equipment are known.

Typical Properties

Property	Nominal Value	Units	ASTM Test Method
Melt Index	6.2	g/10 min	D1238
Density	0.930	g/cm ³	D1505
Film*			
Haze	7.0	%	D1003
Gloss, 45°	65		D2457
Dart Drop Impact Strength, F ₅₀	60	g	D1709
Tensile Strength, MD (TD)	4,400 (4,200)	psi	D882
Elongation, MD (TD)	500 (600)	%	D882
1% Secant Modulus, MD (TD)	38,000 (43,000)	psi	D882

Product	NA285003
Slip (ppm)	None
Antiblock (ppm)	None

* Film gauge: 1.25 mils

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