

Technical Data Sheet

Petrothene NA285003



Low Density Polyethylene

Product Description

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.

Application Caps & Closures; Clarity Film

Market Flexible Packaging

Processing Method Cast Film

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	6.2	g/10 min	6.2	g/10 min	ASTM D1238
Density, (23 °C)	0.930	g/cm ³	0.930	g/cm ³	ASTM D1505
Film					
Dart Drop Impact Strength, F50	60	g	60	g	ASTM D1709
Tensile Strength at Break					
MD	4400	psi	30.3	MPa	ASTM D882
TD	4200	psi	29.0	MPa	ASTM D882
Tensile Elongation at Break					
MD	500	%	500	%	ASTM D882
TD	600	%	600	%	ASTM D882
1% Secant Modulus					
MD	38000	psi	262	MPa	ASTM D882
TD	43000	psi	296	MPa	ASTM D882
Optical					
Haze	7.0	%	7.0	%	ASTM D1003
Gloss, (45°)	65		65		ASTM D2457
Additive					
Slip	None		None		LYB Method
Antiblock	None		None		LYB Method