

Technical Data Sheet

Petrothene NA334000

Low Density Polyethylene

Product Description

Petrothene NA334000 is a low density homopolymer resin selected by customers for thin film and profile applications. NA334000 is known for its consistency, exceptional drawdown and processability.

Application	Bags & Pouches; Can Liners; Clarity Film; Film Wrap; Food Packaging Film; Liner Film
Market	Flexible Packaging
Processing Method	Blown Film; Cast Film

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	6.0	g/10 min	6.0	g/10 min	ASTM D1238
Density, (23 °C)	0.919	g/cm ³	0.919	g/cm ³	ASTM D1505
Film					
Dart Drop Impact Strength, F50	65	g	65	g	ASTM D1709
Tensile Strength at Break					
MD	2200	psi	15.2	MPa	ASTM D882
TD	2000	psi	13.8	MPa	ASTM D882
Tensile Elongation at Break					
MD	300	%	300	%	ASTM D882
TD	450	%	450	%	ASTM D882
1% Secant Modulus					
MD	20000	psi	138	MPa	ASTM D882
TD	23000	psi	159	MPa	ASTM D882
Thermal					
Vicat Softening Temperature	185	°F	85	°C	ASTM D1525
Optical					
Haze	12	%	12	%	ASTM D1003
Gloss, (45°)	50		50		ASTM D2457
Additive					
Slip	None		None		LYB Method
Antiblock	None		None		LYB Method