

Technical Data Sheet

**Petrothene NA324244**



Low Density Polyethylene

**Product Description**

*Petrothene* NA324244 is a low density homopolymer resin selected by customers for overwrap packaging and household film. NA324244 provides excellent optical properties and good stiffness for improved machineability.

<b>Application</b>	Film Wrap
<b>Market</b>	Flexible Packaging
<b>Processing Method</b>	Blown Film; Cast Film

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	3.0	g/10 min	3.0	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.931	g/cm <sup>3</sup>	0.931	g/cm <sup>3</sup>	ASTM D1505
Product Density, (23 °C)	0.934	g/cm <sup>3</sup>	0.934	g/cm <sup>3</sup>	ASTM D1505
<b>Film</b>					
Dart Drop Impact Strength, F50	62	g	62	g	ASTM D1709
Tensile Strength at Break					
MD	3400	psi	23.4	MPa	ASTM D882
TD	2250	psi	15.5	MPa	ASTM D882
Tensile Elongation at Break					
MD	410	%	410	%	ASTM D882
TD	420	%	420	%	ASTM D882
1% Secant Modulus					
MD	47000	psi	324	MPa	ASTM D882
TD	58000	psi	400	MPa	ASTM D882
<b>Optical</b>					
Haze	6.8	%	6.8	%	ASTM D1003
As measured on NA324013.					
Gloss, (60°)	68		68		ASTM D2457
As measured on NA324013.					
<b>Additive</b>					
Slip	1600	ppm	1600	ppm	LYB Method
Antiblock	6000	ppm	6000	ppm	LYB Method