



## Technical Data Sheet

### *Petrothene* NA214000

Low Density Polyethylene

#### Product Description

*Petrothene* NA214000 is a low density polyethylene resin selected by customers for high speed extrusion coating applications. This resin can be drawn down to medium coating weights at line speeds exceeding 1,500 fpm with minimum neck-in. NA214000 is typically used for applications including sugar pouches, industrial and multi-wall bags, treated and primed films and laminations.

<b>Application</b>	Bags & Pouches; Caps & Closures; Colour Concentrates; Food Packaging Film; Lamination Film; Sealants
<b>Market</b>	Flexible Packaging; Rigid Packaging
<b>Processing Method</b>	Extrusion Coating; Injection Molding

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	10	g/10 min	10	g/10 min	ASTM D1238
Density, (23 °C)	0.918	g/cm <sup>3</sup>	0.918	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>					
Flexural Modulus, (1% Secant)	32500	psi	230	MPa	ASTM D790
Tensile Strength at Break	1550	psi	10.7	MPa	ASTM D638
Tensile Strength at Yield	1460	psi	10.0	MPa	ASTM D638
Tensile Elongation at Break	550	%	550	%	ASTM D638
Tensile Elongation at Yield	19	%	19	%	ASTM D638
<b>Hardness</b>					
Shore Hardness, (Shore D)	54		54		ASTM D2240
<b>Thermal</b>					
Vicat Softening Temperature	185	°F	85	°C	ASTM D1525
<b>Processing Parameters</b>					
Melt Temperature	<=625	°F	<=329	°C	