

## Technical Data Sheet

### *Petrothene* NA206000

Low Density Polyethylene

#### Product Description

*Petrothene* NA206000 is an extrusion coating resin typically used in high-speed, light weight coating applications. The resin can be drawn to a low coating weight at line speeds in excess of 1500 fpm with minimum neck-in and edge weave. NA206000 is selected by customers for locker wraps, sugar pouches, industrial and multi-wall bags and laminations for flexible packaging applications. *Petrothene* NA206000 can also be selected by customers for specialty molding applications in closures, toys and automotive areas where a balance of softness and toughness, with good processability and excellent dimensional stability is desired.

<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)	13.5	g/10 min	13.5	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)	30000	psi	207	MPa	ASTM D790
(2% Secant)	27000	psi	186	MPa	ASTM D790
Tensile Strength at Break	1440	psi	9.93	MPa	ASTM D638
Tensile Strength at Yield	1450	psi	10.0	MPa	ASTM D638
Tensile Elongation at Break	500	%	500	%	ASTM D638
Tensile Elongation at Yield	15	%	15	%	ASTM D638
<b>Hardness</b>					
Shore Hardness, (Shore D)	54		54		ASTM D2240
<b>Thermal</b>					
Vicat Softening Temperature	187	°F	86	°C	ASTM D1525
<b>Processing Parameters</b>					
Melt Temperature	<=625	°F	<=329	°C	