

## Technical Data Sheet

### *Petrothene* NA205000

Low Density Polyethylene

#### Product Description

*Petrothene* NA205000 is an extrusion coating resin typically used for high-speed, light weight coating applications. The resin can be drawn to a low coating weight at line speeds in excess of 1,500 fpm with minimum neck-in and edge weave. It is selected by customers for flexible pouches, locker wraps, sugar pouches, industrial and multi-wall bags and laminations.

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

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	16	g/10 min	16	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)	32780	psi	230	MPa	ASTM D790
Tensile Strength at Break	1330	psi	9.2	MPa	ASTM D638
Tensile Strength at Yield	1450	psi	10.1	MPa	ASTM D638
Tensile Elongation at Break	410	%	410	%	ASTM D638
Tensile Elongation at Yield	18	%	18	%	ASTM D638
<b>Hardness</b>					
Shore Hardness, (Shore D)	56		56		ASTM D2240
<b>Thermal</b>					
Vicat Softening Temperature	184	°F	85	°C	ASTM D1525
<b>Processing Parameters</b>					
Melt Temperature	<=625	°F	<=329	°C	