

## Technical Data Sheet

### *Petrothene* NA216000



Low Density Polyethylene

#### Product Description

*Petrothene* NA216000 is a general purpose, heavy and medium weight coating resin at line speeds over 1,200 ft/min. It can be applied to paper, foil, cellophane, polyester film, and other base stocks by the conventional extrusion coating process. Products made from materials coated with NA216000 typically include flexible packaging, set-up cartons, food boards and other materials.

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

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>English Units</b>	<b>Nominal Value</b>	<b>SI Units</b>	<b>Test Method</b>
<b>Physical</b>					
Melt Flow Rate, (190 °C/2.16 kg)	3.7	g/10 min	3.7	g/10 min	ASTM D1238
Density, (23 °C)	0.923	g/cm <sup>3</sup>	0.923	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>					
Flexural Modulus, (1% Secant)	45360	psi	313	MPa	ASTM D790
Tensile Strength at Break	1690	psi	11.7	MPa	ASTM D638
Tensile Strength at Yield	1770	psi	12.7	MPa	ASTM D638
Tensile Elongation at Break	540	%	540	%	ASTM D638
Tensile Elongation at Yield	15	%	15	%	ASTM D638
<b>Hardness</b>					
Shore Hardness, (Shore D)	53		53		ASTM D2240
<b>Thermal</b>					
Vicat Softening Temperature	201	°F	94	°C	ASTM D1525
<b>Processing Parameters</b>					
Melt Temperature	<=625	°F	<=329	°C	