

Technical Data Sheet

Petrothene NA217000



Low Density Polyethylene

Product Description

Petrothene NA217000 is a high speed, lightweight coating resin selected by customers for use with paper, films and other base stocks. This resin can be extruded at line speeds of 1500 ft/min or higher. Products made from materials coated with NA217000 typically include flexible packaging, milk cartons, industrial papers and foil mounting, single-ply bags, pouch bags, cup stock, fiber drums, corrugated boxes and fiberboard containers.

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

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	5.6	g/10 min	5.6	g/10 min	ASTM D1238
Density, (23 °C)	0.923	g/cm ³	0.923	g/cm ³	ASTM D1505
Mechanical					
Flexural Modulus, (1% Secant)	48890	psi	337	MPa	ASTM D790
Tensile Strength at Break	1450	psi	10.0	MPa	ASTM D638
Tensile Strength at Yield	1840	psi	13.0	MPa	ASTM D638
Tensile Elongation at Break	190	%	190	%	ASTM D638
Tensile Elongation at Yield	14	%	14	%	ASTM D638
Hardness					
Shore Hardness, (Shore D)	53		53		ASTM D2240
Thermal					
Vicat Softening Temperature	201	°F	94	°C	ASTM D1525
Processing Parameters					
Melt Temperature	<=625	°F	<=329	°C	