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.

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

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
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/cm³	0.918	g/cm³	ASTM D1505
Mechanical					
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
Hardness					
Shore Hardness, (Shore D)	54		54		ASTM D2240
Thermal					
Vicat Softening Temperature	187	°F	86	°C	ASTM D1525
Processing Parameters					
Melt Temperature	<=625	°F	<=329	°C	