

Technical Data Sheet

Petrothene NA426225



Ethylene Vinyl Acetate

Product Description

Petrothene NA426225 is a LDPE/EVA copolymer resin selected by customers for applications that require easy processing and improved scaling properties.

Application	Bags & Pouches; Clarity Film; Film Wrap; Food Packaging Film; Lamination Film; Sealants; Secondary Packaging; Specialty Film; Zipper Packaging
Market	Flexible Packaging
Processing Method	Blown Film; Cast Film; Sheet and Profile Extrusion

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	2.5	g/10 min	2.5	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.924	g/cm³	0.924	g/cm³	ASTM D1505
Vinyl Acetate Content	2.5	%	2.5	%	LYB Method
Film					
Dart Drop Impact Strength, F50	80	g	80	g	ASTM D1709
Tensile Strength at Break					
MD	3300	psi	22.8	MPa	ASTM D882
TD	2400	psi	16.5	MPa	ASTM D882
Tensile Elongation at Break					
MD	350	%	350	%	ASTM D882
TD	550	%	550	%	ASTM D882
1% Secant Modulus					
MD	20000	psi	138	MPa	ASTM D882
TD	25000	psi	172	MPa	ASTM D882
Elmendorf Tear Strength					
MD	220	g	220	g	ASTM D1922
TD	250	g	250	g	ASTM D1922
Thermal					
Vicat Softening Temperature	194	°F	90	°C	ASTM D1525
Optical					
Haze	5.1	%	5.1	%	ASTM D1003
Gloss, (45°)	71		71		ASTM D2457
Additive					
Slip	1000	ppm	1000	ppm	LYB Method
Antiblock	1900	ppm	1900	ppm	LYB Method
Processing Parameters					
Melt Temperature	330 - 380	°F	166 - 194	°C	
Blow-Up Ratio	1.7 - 3.0	BUR	1.7 - 3.0	BUR	