

Technical Data Sheet

Petrothene NA420013

Ethylene Vinyl Acetate

Product Description

Petrothene NA420013 is a LDPE/EVA copolymer resin selected by customers for high clarity packaging film and other applications that require easy processing and improved sealing 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
Density, (23 °C)	0.923	g/cm ³	0.923	g/cm ³	ASTM D1505
Vinyl Acetate Content	2.5	%	2.5	%	LYB Method
Film					
Dart Drop Impact Strength, F50	150	g	150	g	ASTM D1709
Tensile Strength at Break					
MD	3500	psi	24.1	MPa	ASTM D882
TD	3100	psi	21.4	MPa	ASTM D882
Tensile Elongation at Break					
MD	470	%	470	%	ASTM D882
TD	620	%	620	%	ASTM D882
1% Secant Modulus					
MD	22500	psi	155	MPa	ASTM D882
TD	24000	psi	165	MPa	ASTM D882
Elmendorf Tear Strength					
MD	190	g	190	g	ASTM D1922
TD	250	g	250	g	ASTM D1922
Thermal					
Vicat Softening Temperature	194	°F	90	°C	ASTM D1525
Optical					
Haze	4.1	%	4.1	%	ASTM D1003
Gloss, (45°)	83		83		ASTM D2457
Additive					
Slip	None		None		LYB Method
Antiblock	None		None		LYB Method