

Technical Data Sheet

Petrothene NA362005



Ethylene Vinyl Acetate

Product Description

Petrothene NA362005 is a LDPE/EVA copolymer resin selected by customers for use in bag-in-box, heavy-duty skin packaging and other high strength, easy to seal packaging. NA362005 is also used in wire & cable applications. NA362005 exhibits high impact strength, good low temperature toughness and flexibility.

Application	Bags & Pouches; Film Wrap; Heavy Duty Packaging; Stretch Hood; Wire & Cable
Market	Flexible Packaging; Rigid Packaging; Wire & Cable
Processing Method	Blown Film; Extrusion Blow Molding; Wire & Cable

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	0.5	g/10 min	0.5	g/10 min	ASTM D1238
Base Resin Density, (23 °C)	0.926	g/cm ³	0.926	g/cm ³	ASTM D1505
Vinyl Acetate Content	6.6	%	6.6	%	LYB Method
Film					
Dart Drop Impact Strength, F50	310	g	310	g	ASTM D1709
Tensile Strength at Break					
MD	3800	psi	26.2	MPa	ASTM D882
TD	3600	psi	24.8	MPa	ASTM D882
Tensile Elongation at Break					
MD	500	%	500	%	ASTM D882
TD	600	%	600	%	ASTM D882
1% Secant Modulus					
MD	17000	psi	117	MPa	ASTM D882
TD	21000	psi	145	MPa	ASTM D882
Elmendorf Tear Strength					
MD	140	g	140	g	ASTM D1922
TD	260	g	260	g	ASTM D1922
Thermal					
Vicat Softening Temperature	189	°F	87	°C	ASTM D1525
Additive					
Slip	None		None		LYB Method
Antiblock	None		None		LYB Method