

Technical Data Sheet

Petrothene NA350136

Ethylene Vinyl Acetate



Product Description

Petrothene NA350136 is a LDPE/EVA copolymer selected by customers for heavy-duty film packaging and other high strength, easy to seal packaging. NA350136 exhibits high impact strength and good low temperature toughness.

Application	Clarity Film
Market	Flexible Packaging
Processing Method	Blown Film

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	1.2	g/10 min	1.2	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	285	g	285	g	ASTM D1709
Tensile Strength at Break					
MD	3250	psi	22.4	MPa	ASTM D882
TD	2750	psi	19.0	MPa	ASTM D882
Tensile Elongation at Break					
MD	190	%	190	%	ASTM D882
TD	470	%	470	%	ASTM D882
1% Secant Modulus					
MD	20000	psi	138	MPa	ASTM D882
TD	23000	psi	156	MPa	ASTM D882
Elmendorf Tear Strength					
MD	107	g	107	g	ASTM D1922
TD	83	g	83	g	ASTM D1922
Thermal					
Vicat Softening Temperature	189	°F	87	°C	ASTM D1525
Optical					
Haze	10	%	10	%	ASTM D1003
Gloss, (45°)	55		55		ASTM D2457
Additive					
Slip	800	ppm	800	ppm	LYB Method
Antiblock	4000	ppm	4000	ppm	LYB Method



Notes

Data obtained from 2.0 mil (51 micron) film produced on a blown film line with a 8" (203 mm) die, 430°F (221°C) melt temperature, 2:1 BUR, 0.025" die gap at 170 lbs/hr.

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

