

Petrothene® NA362176

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA362 is a series of LDPE/EVA copolymer resins selected by customers for use in bag-in-box, heavy-duty skin packaging and other high strength, easy to seal packaging. NA362 exhibits high impact strength and good low temperature toughness.

General Information			
Additive	Antiblock (1%)		
	Slip (1400 ppm)		
Features	Antiblocking		
	Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	High Strength		
	Low Temperature Toughness		
	Slip		
Uses	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1350		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Vinyl Acetate Content	6.6	wt%	
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 51 µm, Blown Film	117	MPa	
1% Secant, TD : 51 µm, Blown Film	145	MPa	
Tensile Strength			ASTM D882
MD : Break, 51 µm, Blown Film	26.2	MPa	
TD : Break, 51 µm, Blown Film	24.8	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm, Blown Film	500	%	
TD : Break, 51 µm, Blown Film	600	%	

Dart Drop Impact (51 μm, Blown Film)	310	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 51 μm, Blown Film	140	g	
TD : 51 μm, Blown Film	260	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	87.0	°C	ASTM D1525

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