

# Petrothene® NA362

Low Density Polyethylene

LyondellBasell Industries

## Message:

PETROTHENE NA 362 is a series of low density/EVA copolymers designed for ice bags, bag-in-box, heavy-duty skin packaging and other high strength, easy to seal packaging. NA 362 exhibits high impact strength and good low temperature toughness.

General Information			
Features	Copolymer		
	Food Contact Acceptable		
	High Impact Resistance		
	High Strength		
	Low Temperature Toughness		
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 <sup>3</sup>	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	117	MPa	
1% Secant, TD : 51 µm	145	MPa	
Tensile Strength			ASTM D882
MD : Break, 51 µm	26.2	MPa	
TD : Break, 51 µm	24.8	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	500	%	
TD : Break, 51 µm	600	%	
Dart Drop Impact (51 µm)	310	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	140	g	
TD : 51 µm	260	g	
Thermal	Nominal Value	Unit	Test Method

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#### Recommended distributors for this material

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