

Petrothene® NA217000

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA217000 is a high speed, lightweight coating resin for use with paper, films and other base stocks. This resin can be extruded at line speeds of 1500 ft./min. or higher. Products made from materials coated with NA 217-000 include flexible packaging, milk cartons, industrial papers and foil mounting, single-ply bags, pouch bags, cup stock, fiber drums, corrugated boxes and fiberboard containers.

General Information			
Features	Food Contact Acceptable		
Uses	Coating Applications		
	Containers		
	Cups		
	Drums		
	Paper Coatings		
Agency Ratings	Pouches - Flexible Packaging		
	ASTM D 1248, I, Class A, Cat. 3, Grade E3		
	FDA 21 CFR 177.1520		
	FED L-P-390C, Type I, Class L, Category 3, Grades 1		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.6	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	12.4	MPa	ASTM D638
Tensile Elongation ² (Break)	550	%	ASTM D638
Flexural Modulus - 1% Secant	276	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	< 329	°C	
NOTE			
1.	Type IV		
2.	Type IV		

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Recommended distributors for this material

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