

Petrothene® NA220000

Low Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE NA 220-000 is a high quality, high speed, medium coating-weight resin, manufactured within tight tolerances, that can be drawn down to coating weights of 5 lbs/ream at line speeds of 1,200 ft/min. or higher. NA 220-000 resists neck-in, provides excellent heat sealability and is recommended for flexible packaging, milk cartons, food boards, set-up cartons, industrial papers and foil mounting. This product can be applied to paper, foil, cellophane, polyester film and other base stocks by conventional extrusion coating processes.

NA 220-000, along with NA 216-000 (M. 3.7) and NA 217-000 (M. 5.5) form a series of closely related resins developed to assist the converter in fine-tuning the coating system.

General Information			
Features	Good heat sealability		
	Low shrinkage		
	Compliance of Food Exposure		
Uses	Foil Coatings		
	Packaging		
	Coating application		
	Paper coating		
Agency Ratings	FDA 21 CFR 176.170		
	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Extrusion coating		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	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 (Yield)	11.7	MPa	ASTM D638
Tensile Elongation (Break)	550	%	ASTM D638
Flexural Modulus	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	
Extrusion instructions			

The maximum recommended melt temperature is 625°F.

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