

Petrothene® NA216000

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA216000 is a general purpose, heavy and medium weight coating resin at line speeds over 1,200 ft/min. It can be applied to paper, foil, cellophane, polyester film, and other base stocks by the conventional extrusion coating process. Products made from materials coated with NA216000 include flexible packaging, set-up cartons, food boards and other materials.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
Uses	Coating Applications		
	Foil Coatings		
	Packaging		
	Paper Coatings		
Agency Ratings	FDA 21 CFR 177.1520		
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)	3.7	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)	12.1	MPa	ASTM D638
Tensile Elongation ² (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	
NOTE			
1.	Type IV		
2.	Type IV		

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