

Petrothene® NA204000 (Extrusion Coating)

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA204000 is a high speed, lightweight coating resin selected by customers for use with paper, films and other base stocks. This resin can be extruded at line speeds of 1200 ft/min or higher. Products made from materials coated with NA204000 typically include general-purpose flexible packaging and snack food packaging. NA204000 yields excellent adhesion and heat sealing characteristics and low neck-in.

General Information			
Features	Food Contact Acceptable		
	Good Adhesion		
	Good Heat Seal		
	Low Neck-In		
Uses	Coating Applications		
	Foil Coatings		
	Laminates		
	Packaging		
	Paper Coatings		
Agency Ratings	FDA 21 CFR 176.170		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.0	MPa	ASTM D638
Tensile Elongation ¹ (Break)	550	%	ASTM D638
Flexural Modulus - 1% Secant	207	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	84.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	< 329	°C	
NOTE			
1.	Type IV		

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Recommended distributors for this material

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