

Petrothene® NA205000

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA205000 is an extrusion coating resin especially recommended for high-speed, light weight coating applications. The resin can be drawn to a low coating weight at line speeds in excess of 1,500 fpm with minimum neck-in and no edge weave. It is recommended for flexible pouches, locker wraps, sugar pouches, industrial and multi-wall bags and laminations.

General Information			
Features	Low Neck-In		
Uses	Bags		
	Coating Applications		
	Laminates		
Agency Ratings	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)	16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	10.3	MPa	ASTM D638
Tensile Elongation ² (Break)	640	%	ASTM D638
Flexural Strength	212	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	< 329	°C	
NOTE			
1.	Type IV		
2.	Type IV		

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