

Petrothene® NA205000X01

Low Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE NA205000X01 is an extrusion coating resin especially recommended for high-speed, light weight coating applications. The resin can be drawn to a 3 lb/ream coating weight at line speeds in excess of 1,500 fpm with minimum neck-in and no edge weave. It is recommended for locker wraps, sugar pouches, industrial and multi-wall bags and laminations.

General Information			
Features	Workability, good		
Uses	Laminate		
	Coating application		
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	10.3	MPa	ASTM D638
Tensile Elongation ¹ (Break)	640	%	ASTM D638
Flexural Modulus	212	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	
Melt Temperature	310 - 327	°C	
Extrusion instructions			
It is recommended that a melt temperature of 590°F - 620°F be used for light-weight coating applications in conjunction with electrostatic, flame or chemical priming to insure good adhesion. The maximum recommended melt temperature for NA205000X01 is 625°F.			
NOTE			
1.	Type 4		

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