

Petrothene® NA214000

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA214000 is a low density polyethylene resin specifically designed for high speed extrusion coating applications. This resin can be drawn down to medium coating weights at line speeds exceeding 1,500 fpm with minimum neck-in. NA214000 can be used for applications including sugar pouches, industrial and multi-wall bags, treated and primed films and laminations.

General Information			
Features	Food Contact Acceptable		
Uses	Bags Coating Applications Industrial Applications Laminates		
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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	54		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	10.9	MPa	ASTM D638
Tensile Elongation ² (Break)	580	%	ASTM D638
Flexural Modulus	145	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	86.0	°C	ASTM D1525
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	< 329	°C	
NOTE			
1.	Type IV		
2.	Type IV		

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