

Petrothene® NA272130

Medium Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE NA272130 is a medium density polyethylene resin designed for overwrap film applications. NA272130 exhibits good film optics and high stiffness.

General Information			
Additive	Antiblock (1000 ppm)		
	Slip (300 ppm)		
Features	High Stiffness		
Uses	Film		
	Food Wrap		
	Optical Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)	1.6	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD : 32 µm	331	MPa	
1% Secant, TD : 32 µm	379	MPa	
Tensile Strength			ASTM D882
MD : Break, 32 µm	24.1	MPa	
TD : Break, 32 µm	20.7	MPa	
Tensile Elongation			ASTM D882
MD : Break, 32 µm	400	%	
TD : Break, 32 µm	500	%	
Dart Drop Impact ¹ (32 µm)	50	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 31.8 µm)	90		ASTM D2457
Haze (31.8 µm)	7.0	%	ASTM D1003
NOTE			
1.	F50		

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