

# Petrothene® NA324013

Low Density Polyethylene  
LyondellBasell Industries

Message:

Petrothene NA324 is a series of homopolymer resins selected by customers for overwrap packaging and household film. NA324 provides excellent optical properties and good stiffness for improved machineability.

General Information			
Features	Food Contact Acceptable		
	Good Stiffness		
	Homopolymer		
	Machinable		
	Opticals		
Uses	Film		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.931	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	324	MPa	
1% Secant, TD	400	MPa	
Tensile Strength			ASTM D882
MD : Break	23.4	MPa	
TD : Break	15.5	MPa	
Tensile Elongation			ASTM D882
MD : Break	410	%	
TD : Break	420	%	
Dart Drop Impact	62	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	68		ASTM D2457
Haze	6.8	%	ASTM D1003

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Recommended distributors for this material

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