

Petrothene® NA271009

Low Density Polyethylene

LyondellBasell Industries

Message:

Petrothene NA271009 is a medium density polyethylene resin selected by customers for overwrap film applications. NA271009 exhibits good film optics and high stiffness.

General Information			
Features	Food Contact Acceptable		
	High Stiffness		
	Opticals		
Uses	Film		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 32 µm	317	MPa	
1% Secant, TD : 32 µm	372	MPa	ASTM D882
Tensile Strength			
MD : Yield,32 µm	26.9	MPa	
TD : Yield,32 µm	22.8	MPa	ASTM D882
Tensile Elongation			
MD : Break, 32 µm	350	%	
TD : Break, 32 µm	620	%	ASTM D1709
Dart Drop Impact (32 µm)	70	g	
Elmendorf Tear Strength			
MD : 32 µm	190	g	ASTM D1922
TD : 32 µm	260	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 31.8 µm)	62		ASTM D2457
Haze (31.8 µm)	7.5	%	ASTM D1003

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT