

Petrothene® NA951000

Low Density Polyethylene

LyondellBasell Industries

Message:

PETROTHENE NA951000 is specially designed for industrial and consumer packaging and liner and bag applications. NA951000 has an excellent balance of processability, toughness and drawdown and does not contain slip or antiblock.

General Information			
Features	Food Contact Acceptable		
	Good Drawdown		
	Good Processability		
	Good Toughness		
	Homopolymer		
Uses	Bags		
	Film		
	Industrial Applications		
	Liners		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (1.91 mm)	13.6	MPa	ASTM D638
Tensile Elongation ² (Break, 1.91 mm)	600	%	ASTM D638
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	32	µm	ASTM D882
Secant Modulus			
MD : 32 µm, Blown Film	197	MPa	
TD : 32 µm, Blown Film	228	MPa	ASTM D882
Tensile Strength			
MD : Yield,32 µm, Blown Film	24.8	MPa	
TD : Yield,32 µm, Blown Film	17.2	MPa	ASTM D882
Tensile Elongation			
MD : Break, 32 µm,Blown Film	250	%	
TD : Break, 32 µm,Blown Film	520	%	

Dart Drop Impact (32 µm, Blown Film)	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 32 µm, Blown Film	320	g	
TD : 32 µm, Blown Film	100	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	90.0	°C	ASTM D1525
NOTE			
1.	Type IV, 510 mm/min		
2.	Type IV, 510 mm/min		

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.

Recommended distributors for this material

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

