

DOW™ LLDPE NG 1045B

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

LLDPE NG 1045B is a Linear Low Density Polyethylene resin, 1-Butene copolymer, produced in the Solution process. This resin is designed to be used in blown extrusion to produce films for industrial and consumer applications, such as liners and bags.

Complies with:

U.S. FDA 21 CFR 177.1520 (c) 3.2a

European Commission Regulation (EU) No 10/2011

Consult the regulation for complete details.

General Information			
Agency Ratings	EU No 10/2011		
	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	ASTM D882
Secant Modulus			
2% Secant, MD : 51 µm	255	MPa	
2% Secant, TD : 51 µm	317	MPa	ASTM D882
Tensile Strength			
MD : Yield,51 µm	8.30	MPa	
TD : Yield,51 µm	8.90	MPa	
MD : Break, 51 µm	30.6	MPa	
TD : Break, 51 µm	27.9	MPa	
Tensile Elongation			ASTM D882
MD : Break, 51 µm	700	%	
TD : Break, 51 µm	810	%	
Dart Drop Impact	180	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	320	g	
TD : 51 µm	690	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	48		ASTM D2457
Haze	18	%	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.

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

