



DOWLEX™ NG 2045.11B

Polyethylene Resin

Additive

• Antiblock: 2500 ppm

• Slip: 1000 ppm

• Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.921 g/cm ³	0.921 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Coefficient of Friction	0.15	0.15	ASTM D1693
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	1 mil	38 µm	
Film Puncture Resistance (1.5 mil (38 µm))	97.0 ft-lb/in ³	8.03 J/cm ³	Dow Method
Secant Modulus			ASTM D882
2% Secant, MD : 1.5 mil (38 µm)	23200 psi	160 MPa	
2% Secant, TD : 1.5 mil (38 µm)	26100 psi	180 MPa	
Tensile Strength			ASTM D882
MD : Yield, 1.5 mil (38 µm)	1450 psi	9.99 MPa	
TD : Yield, 1.5 mil (38 µm)	1450 psi	9.99 MPa	
MD : Break, 1.5 mil (38 µm)	5070 psi	35.0 MPa	
TD : Break, 1.5 mil (38 µm)	3620 psi	25.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 1.5 mil (38 µm)	730 %	730 %	
TD : Break, 1.5 mil (38 µm)	810 %	810 %	
Dart Drop Impact (1.5 mil (38 µm))	290 g	290 g	ASTM D1709A
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 1.48 mil (37.5 µm))	58	58	ASTM D2457
Haze (1.48 mil (37.5 µm))	12.0 %	12.0 %	ASTM D1003
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	419 °F	215 °C	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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