



DOWLEX™ NG 2038B

Polyethylene Resin

Additive

• Antiblock: No

• Slip: No

• Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.935 g/cm ³	0.935 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	1.0 g/10 min	1.0 g/10 min	ASTM D1238
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)	53600 psi	370 MPa	
2% Secant, TD : 1.5 mil (38 µm)	61600 psi	425 MPa	
Tensile Strength			ASTM D882
MD : Yield, 1.5 mil (38 µm)	2460 psi	17.0 MPa	
TD : Yield, 1.5 mil (38 µm)	2750 psi	19.0 MPa	
MD : Break, 1.5 mil (38 µm)	6660 psi	45.9 MPa	
TD : Break, 1.5 mil (38 µm)	5940 psi	41.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 1.5 mil (38 µm)	900 %	900 %	
TD : Break, 1.5 mil (38 µm)	1100 %	1100 %	
Dart Drop Impact (1.5 mil (38 µm))	180 g	180 g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 1.5 mil (38 µm)	80 g	80 g	
TD : 1.5 mil (38 µm)	840 g	840 g	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 1.48 mil (37.5 µm))	60	60	ASTM D2457
Haze (1.48 mil (37.5 µm))	12.0 %	12.0 %	ASTM D1003
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	451 °F	233 °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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