

DOWLEX™ NG 2038B

Polyethylene Resin
The Dow Chemical Company

Message:

DOWLEX™ NG 2038B is a Polyethylene Resin material. It is available in Latin America.
Important attributes of DOWLEX™ NG 2038B are:
Antiblock
Processing Aid
Slip
Typical application of DOWLEX™ NG 2038B: Food Contact Applications

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a HPFB (Canada) No Objection		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.935	g/cm³	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	38	µm	Internal Method
Film Puncture Resistance (38 µm)	8.03	J/cm³	
Secant Modulus			
2% Secant, MD : 38 µm	370	MPa	ASTM D882
2% Secant, TD : 38 µm	425	MPa	
Tensile Strength			
MD : Yield,38 µm	17.0	MPa	ASTM D882
TD : Yield,38 µm	19.0	MPa	
MD : Break, 38 µm	45.9	MPa	
TD : Break, 38 µm	41.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 38 µm	900	%	
TD : Break, 38 µm	1100	%	ASTM D1709A
Dart Drop Impact (38 µm)	180	g	
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	80	g	
TD : 38 µm	840	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 37.5 µm)	60		ASTM D2457
Haze (37.5 µm)	12	%	ASTM D1003
Extrusion	Nominal Value	Unit	

Melt Temperature

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°C

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Recommended distributors for this material

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