

DOW™ LLDPE 1048B

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ LLDPE 1048B is a Linear Low Density Polyethylene Resin material. It is available in Asia Pacific or Latin America.

Typical application of DOW™ LLDPE 1048B: Food Contact Applications

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)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	Internal Method
Film Puncture Resistance (38 µm)	5.00	J/cm ³	
Secant Modulus			
2% Secant, MD : 38 µm	150	MPa	ASTM D882
2% Secant, TD : 38 µm	145	MPa	
Tensile Strength			
MD : Yield, 38 µm	10.0	MPa	ASTM D882
TD : Yield, 38 µm	10.0	MPa	
MD : Break, 38 µm	33.0	MPa	
TD : Break, 38 µm	25.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 38 µm	950	%	
TD : Break, 38 µm	1100	%	ASTM D1709A
Dart Drop Impact (38 µm)	140	g	
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	220	g	
TD : 38 µm	330	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 37.5 µm)	53		ASTM D2457
Haze (37.5 µm)	13	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	206	°C	

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Recommended distributors for this material

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