

DOW™ LDPE 220M

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ LDPE 220M is a Low Density Polyethylene Resin material. It is available in Latin America.

Important attributes of DOW™ LDPE 220M are:

Antiblock

Slip

Typical application of DOW™ LDPE 220M: Food Contact Applications

General Information			
Additive	Antiblock		
	Slip		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.12		
vs. Itself - Static	0.18		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Puncture Resistance (50 µm)	3.00	J/cm³	Internal Method
Tensile Strength			ASTM D882
MD : Yield,50 µm	10.0	MPa	
TD : Yield,50 µm	11.0	MPa	
MD : Break, 50 µm	19.0	MPa	
TD : Break, 50 µm	19.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	520	%	
TD : Break, 50 µm	800	%	
Dart Drop Impact (50 µm)	120	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	430	g	
TD : 50 µm	310	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	58		ASTM D2457
Haze (50.0 µm)	10	%	ASTM D1003

Extrusion	Nominal Value	Unit
Melt Temperature	194	°C

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