

208C

Low Density Polyethylene
The Dow Chemical Company

Message:

DOW™ LDPE 208C is a Low Density Polyethylene Resin material. It is available in Latin America. Primary attribute of DOW™ LDPE 208C: Slip.
Typical application of DOW™ LDPE 208C: Food Contact Applications

General Information			
Additive	Slip		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.14		
vs. Itself - Static	0.19		
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Film Puncture Resistance (50 µm)	4.00	J/cm ³	Internal Method
Tensile Strength			ASTM D882
MD : Yield,50 µm	11.0	MPa	
TD : Yield,50 µm	10.0	MPa	
MD : Break, 50 µm	21.0	MPa	
TD : Break, 50 µm	23.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	520	%	
TD : Break, 50 µm	850	%	
Dart Drop Impact (50 µm)	180	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	280	g	
TD : 50 µm	240	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	53		ASTM D2457
Haze (50.0 µm)	9.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	205	°C	

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