

218C

Low Density Polyethylene
The Dow Chemical Company

Message:

DOW™ LDPE 218C is a Low Density Polyethylene Resin material. It is available in Latin America.
Important attributes of DOW™ LDPE 218C are:
Antiblock
Slip
Typical application of DOW™ LDPE 218C: 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
Density	0.922	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.15		ASTM D1894
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Tensile Strength			ASTM D882
MD : Yield,38 µm	12.0	MPa	
TD : Yield,38 µm	12.0	MPa	
MD : Break, 38 µm	21.0	MPa	
TD : Break, 38 µm	17.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	280	%	
TD : Break, 38 µm	600	%	
Dart Drop Impact (38 µm)	100	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	340	g	
TD : 38 µm	130	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm)	63		ASTM D2457
Haze (38.0 µm)	8.5	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	165	°C	

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