

DOW™ LDPE 401C

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ LDPE 401C is a Low Density Polyethylene Resin material. It is available in Latin America.

Typical application of DOW™ LDPE 401C: Food Contact Applications

General Information			
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
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	25.0	MPa	
TD : Break, 38 µm	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	300	%	
TD : Break, 38 µm	600	%	
Dart Drop Impact (38 µm)	130	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	340	g	
TD : 38 µm	100	g	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 38.0 µm)	40		ASTM D2457
Haze (38.0 µm)	14	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	165	°C	

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Recommended distributors for this material

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