

160C

Low Density Polyethylene
The Dow Chemical Company

Message:
DOW™ LDPE 160C is a Low Density Polyethylene Resin material. It is available in Latin America.
Typical application of DOW™ LDPE 160C: Food Contact Applications

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	ASTM D882
Tensile Strength			
MD : Yield,38 µm	11.0	MPa	
TD : Yield,38 µm	11.0	MPa	
MD : Break, 38 µm	17.0	MPa	
TD : Break, 38 µm	15.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	260	%	
TD : Break, 38 µm	500	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	85.0	°C	ASTM D1525
Injection	Nominal Value	Unit	
Processing (Melt) Temp	165	°C	

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