

DOW™ LLDPE 8335

Linear Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW™ LLDPE 8335 is a Linear Low Density Polyethylene Resin material. It is available in Latin America.

Typical application of DOW™ LLDPE 8335: Food Contact Applications

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.926	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 100% Igepal, F50)	10.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	11.0	MPa	
Break	8.00	MPa	
Tensile Elongation			ASTM D638
Yield	2.0	%	
Break	75	%	
Flexural Modulus - 2% Secant	393	MPa	ASTM D790B
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	92.0	°C	ASTM D1525
Melting Temperature (DSC)	123	°C	Internal Method

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