

DOW™ LDPE 330E

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW LDPE 330E is a fractional melt index low density polyethylene resin. DOW LDPE 330E has been specially designed for the protective film market where high optical properties and very low gel levels are required.

Main Characteristics:

High optical properties

Very low gel levels

Excellent tensile and tear strength

Excellent shrink properties

Complies with:

U.S. FDA 21 CFR 177.1520(c)2.2

EU, No 10/2011

Consult the regulations for complete details.

Slip Additive: 0 ppm

Antiblock Additive: 0 ppm

General Information			
Agency Ratings		EU No 10/2011	
		FDA 21 CFR 177.1520(c) 2.2	
Forms		Pellets	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.924	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ASTM D882
Secant Modulus			
2% Secant, MD : 50 µm	159	MPa	
2% Secant, TD : 50 µm	163	MPa	ASTM D882
Tensile Strength			
MD : Yield,50 µm	11.0	MPa	
TD : Yield,50 µm	11.0	MPa	
MD : Break, 50 µm	20.0	MPa	
TD : Break, 50 µm	18.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 50 µm	390	%	
TD : Break, 50 µm	520	%	ASTM D1709A
Dart Drop Impact (50 µm)	140	g	
Elmendorf Tear Strength			ASTM D1922
MD : 50 µm	240	g	
TD : 50 µm	260	g	

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	99.0	°C	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm)	56		ASTM D2457
Haze (50.0 μm)	9.0	%	ASTM D1003

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