

DOW™ LDPE 150E

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW LDPE™150E low density polyethylene resin can be extruded by ordinary blown film process, and the melt temperature is between 170 and 230°C.

The properly prepared DOW LDPE 150E low density polyethylene resin integrates processability, stiffness and physical properties.

Remarks: DOW LDPE 150E low density polyethylene should meet the following regulatory requirements:

EU, no 10/2011

us food and drug administration regulations 21 CFR 177.1520(c)2.2

us food and drug administration regulations-drug master document (DMF)

please inquire regulations for complete details

application fields:

Heavy packaging industrial film

General Information			
Agency Ratings	DMF not rated		
	FDA 21 CFR 177.1520(c) 2.2		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.921	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	100	µm	
Tensile Modulus			ISO 527-3
2% secant, MD: 100 µm	128	MPa	ISO 527-3
2% secant, TD: 100 µm	128	MPa	ISO 527-3
Tensile Stress			ISO 527-3
MD: Yield, 100 µm	9.20	MPa	ISO 527-3
TD: Yield, 100 µm	7.60	MPa	ISO 527-3
MD: Break, 100 µm	21.0	MPa	ISO 527-3
TD: Break, 100 µm	20.5	MPa	ISO 527-3
Tensile Elongation			ASTM D882
MD: Break, 100 µm	470	%	ASTM D882
TD: Break, 100 µm	530	%	ASTM D882
Dart Drop Impact (100 µm)	430	g	ISO 7765-1/A
Elmendorf Tear Strength			ASTM D1922
MD : 100 µm	270	g	ASTM D1922
TD : 100 µm	480	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	96.0	°C	ASTM D1525

Extrusion instructions

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