

DOW™ LDPE 132G

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW LDPE™132G low density polyethylene resin can be easily extruded by commonly used blown film technology, and the melt temperature range used is 170 to 230°C. At the time of preparation, this resin combines processability, stiffness and physical properties well. This product does not contain slip agent or opening agent.

Remarks: Comply with the following regulations:

U.S. Food and Drug Administration Regulation 21 CFR 177.1520(c)2.2

EU, No 10/2011

Please inquire regulations for complete details

Application fields:

Heavy packaging industrial film

shrink film

General Information			
Agency Ratings	FDA 21 CFR 177.1520(c) 2.2		
	Europe No 10/2011		
Forms	Particle		
Processing Method	Film extrusion		
	Blow film		
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	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	51	µm	
Film strength			ASTM D882
MD : 51 µm	216	J/cm ³	ASTM D882
TD : 51 µm	211	J/cm ³	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 51 µm	12.1	MPa	ASTM D882
TD: Yield, 51 µm	12.1	MPa	ASTM D882
MD: Fracture, 51 µm	31.8	MPa	ASTM D882
TD: Fracture, 51 µm	28.9	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 51 µm	470	%	ASTM D882
TD: Fracture, 51 µm	660	%	ASTM D882
Dart Drop Impact (51 µm)	190	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	300	g	ASTM D1922

TD : 51 μm	180	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.8 μm)	50		ASTM D2457
Haze (50.8 μm)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	216	°C	
Extrusion instructions			

吹塑薄膜的制造条件:
 螺杆尺寸:2.5 英寸 (63.5 mm);30:1 L/D
 螺杆类型:单跨双混合
 模具间隙:40 密尔 (1.02 mm)
 熔体温度:420°F (215°C)
 输出:模具周长的 8 磅/小时/英寸
 模具直径:6 英寸
 放大比:2.5:1

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