

DOW™ LDPE 303E

Low Density Polyethylene Resin

The Dow Chemical Company

Message:

DOW LDPE 303E Low Density Polyethylene Resin contains no slip or antiblock additives. DOW LDPE 303E Low Density Polyethylene Resin can readily be extruded using the blown film techniques utilising melt temperatures between 160 and 200 ° C.

Main Characteristics:

Good draw down (30µm)

Good mechanical properties.

Good optics

Applications:

Industrial and semiindustrial shrink films.

Heavy duty bags.

Construction films

Complies with:

Canadian HPFB No Objection

U.S. FDA-DMF

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

EU, No 10/2011

Consult the regulation for complete details.

General Information			
Agency Ratings	DMF not rated		
	FDA 21 CFR 177.1520(c) 2.2		
	HPFB (Canada) No Objection		
	Europe No 10/2011		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	200	µm	
Tensile Strength			ASTM D882
MD: Yield, 200 µm	10.0	MPa	ASTM D882
TD: Yield, 200 µm	11.0	MPa	ASTM D882
MD: Break, 200 µm	23.0	MPa	ASTM D882
TD: Break, 200 µm	24.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 200 µm	580	%	ASTM D882
TD: Break, 200 µm	720	%	ASTM D882
Dart Drop Impact (200 µm)	700	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 200 µm	900	g	ASTM D1922

TD : 200 μm	1400	g	ASTM D1922
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ASTM D1525
Extrusion instructions			

放大比 1:2.5

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