



DOW™ LDPE 203M

Low Density Polyethylene Resin

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.921 g/cm ³	0.921 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	0.30 g/10 min	0.30 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.50	0.50	
vs. Itself - Static	0.58	0.58	
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	2 mil	50 µm	
Film Puncture Resistance (2.0 mil (50 µm))	60.4 ft·lb/in ³	5.00 J/cm ³	Dow Method
Tensile Strength			ASTM D882
MD : Yield, 2.0 mil (50 µm)	1450 psi	10.0 MPa	
TD : Yield, 2.0 mil (50 µm)	1450 psi	10.0 MPa	
MD : Break, 2.0 mil (50 µm)	3340 psi	23.0 MPa	
TD : Break, 2.0 mil (50 µm)	2610 psi	18.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 2.0 mil (50 µm)	420 %	420 %	
TD : Break, 2.0 mil (50 µm)	680 %	680 %	
Dart Drop Impact (2.0 mil (50 µm))	240 g	240 g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 2.0 mil (50 µm)	190 g	190 g	
TD : 2.0 mil (50 µm)	220 g	220 g	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 1.97 mil (50.0 µm))	34	34	ASTM D2457
Haze (1.97 mil (50.0 µm))	15.0 %	15.0 %	ASTM D1003
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Melt Temperature	423 °F	217 °C	

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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