



DOW™ LDPE 204M

Low Density Polyethylene Resin

Additive

- Slip

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	0.090	0.090	
vs. Itself - Static	0.15	0.15	
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	2 mil	50 µm	
Film Puncture Resistance (2.0 mil (50 µm))	72.5 ft·lb/in ³	6.00 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)	1600 psi	11.0 MPa	
MD : Break, 2.0 mil (50 µm)	3630 psi	25.0 MPa	
TD : Break, 2.0 mil (50 µm)	3630 psi	25.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 2.0 mil (50 µm)	360 %	360 %	
TD : Break, 2.0 mil (50 µm)	720 %	720 %	
Dart Drop Impact (2.0 mil (50 µm))	280 g	280 g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 2.0 mil (50 µm)	200 g	200 g	
TD : 2.0 mil (50 µm)	170 g	170 g	
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 1.97 mil (50.0 µm))	62	62	ASTM D2457
Haze (1.97 mil (50.0 µm))	10.0 %	10.0 %	ASTM D1003

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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This document is intended for use within Latin America

Published: 2004-08-31

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