



# DOW™ LDPE 208M

## Low Density Polyethylene Resin

**Additive** • Slip

<b>Physical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Density	0.921 g/cm <sup>3</sup>	0.921 g/cm <sup>3</sup>	ASTM D792
Melt Index (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D1238
<b>Mechanical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.16	0.16	
vs. Itself - Static	0.19	0.19	
<b>Films</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Film Thickness - Tested	2 mil	50 µm	
Film Puncture Resistance (2.0 mil (50 µm))	48.3 ft·lb/in <sup>3</sup>	4.00 J/cm <sup>3</sup>	Dow Method
Tensile Strength			ASTM D882
MD : Yield, 2.0 mil (50 µm)	1600 psi	11.0 MPa	
TD : Yield, 2.0 mil (50 µm)	1450 psi	10.0 MPa	
MD : Break, 2.0 mil (50 µm)	3050 psi	21.0 MPa	
TD : Break, 2.0 mil (50 µm)	3340 psi	23.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 2.0 mil (50 µm)	520 %	520 %	
TD : Break, 2.0 mil (50 µm)	850 %	850 %	
Dart Drop Impact (2.0 mil (50 µm))	190 g	190 g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 2.0 mil (50 µm)	290 g	290 g	
TD : 2.0 mil (50 µm)	250 g	250 g	
<b>Optical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Gloss (45°, 1.97 mil (50.0 µm))	55	55	ASTM D2457
Haze (1.97 mil (50.0 µm))	9.00 %	9.00 %	ASTM D1003
<b>Extrusion</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	
Melt Temperature	401 °F	205 °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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This document is intended for use within Latin America

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