



## DOW™ LDPE 220M

### Low Density Polyethylene Resin

**Additive**      • Antiblock                                      • 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)	2.0 g/10 min	2.0 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	0.12	0.12	
vs. Itself - Static	0.18	0.18	
<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))	36.3 ft·lb/in <sup>3</sup>	3.00 J/cm <sup>3</sup>	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)	2760 psi	19.0 MPa	
TD : Break, 2.0 mil (50 µm)	2760 psi	19.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 2.0 mil (50 µm)	520 %	520 %	
TD : Break, 2.0 mil (50 µm)	800 %	800 %	
Dart Drop Impact (2.0 mil (50 µm))	120 g	120 g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 2.0 mil (50 µm)	430 g	430 g	
TD : 2.0 mil (50 µm)	310 g	310 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))	58	58	ASTM D2457
Haze (1.97 mil (50.0 µm))	10.0 %	10.0 %	ASTM D1003
<b>Extrusion</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	
Melt Temperature	381 °F	194 °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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## Additional Information

<b>North America</b>		<b>Europe/Middle East</b>	+800-3694-6367
U.S. & Canada:	1-800-441-4369		+31-11567-2626
	1-989-832-1426	Italy:	+800-783-825
Mexico:	+1-800-441-4369		
<b>Latin America</b>		<b>South Africa</b>	+800-99-5078
Argentina:	+54-11-4319-0100		
Brazil:	+55-11-5188-9000		
Colombia:	+57-1-219-6000	<b>Asia Pacific</b>	+800-7776-7776
Mexico:	+52-55-5201-4700		+603-7965-5392

[www.dowplastics.com](http://www.dowplastics.com)

This document is intended for use within Latin America

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