



# DOW™ MDPE NG6895

## Medium Density Polyethylene Resin

**Additive**      • Antiblock: No                                      • Slip: No                                      • Processing Aid: No

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.939 g/cm <sup>3</sup>	0.939 g/cm <sup>3</sup>	ASTM D792
Melt Index			ASTM D1238
190°C/5.0 kg	0.38 g/10 min	0.38 g/10 min	
190°C/21.6 kg	11 g/10 min	11 g/10 min	
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
122°F (50°C), 10% Igepal, F0	> 2000 hr	> 2000 hr	
122°F (50°C), 10% Igepal, F50	> 3000 hr	> 3000 hr	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus (0.0787 in (2.00 mm))	116000 psi	800 MPa	ASTM D790
Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	79 mil	2000 µm	
Tensile Strength - MD			ASTM D882
Yield, 79 mil (2000 µm)	2760 psi	19.0 MPa	
Break, 79 mil (2000 µm)	4350 psi	30.0 MPa	
Tensile Elongation - MD (Break)	> 800 %	> 800 %	ASTM D882
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.5 ft·lb/in	82 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	63	63	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	244 °F	118 °C	ASTM D1525
Oxidation Induction Time (392°F (200°C))	> 110 min	> 110 min	ASTM D3895
Extrusion	Nominal Value (English)	Nominal Value (SI)	
Cylinder Zone 1 Temp.	329 °F	165 °C	
Cylinder Zone 2 Temp.	365 °F	185 °C	
Cylinder Zone 3 Temp.	392 °F	200 °C	
Cylinder Zone 4 Temp.	401 °F	205 °C	
Melt Temperature	392 to 410 °F	200 to 210 °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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