



**DOW™ MDPE NG 6993R**  
**Medium Density Polyethylene Resin**

<b>Physical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Density	0.939 g/cm <sup>3</sup>	0.939 g/cm <sup>3</sup>	ASTM D792
Melt Index (190°C/21.6 kg)	16 g/10 min	16 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
212°F (100°C), 100% Igepal, F0	> 2000 hr	> 2000 hr	
<b>Mechanical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Tensile Strength			ASTM D638
Yield	2610 psi	18.0 MPa	
Break	4210 psi	29.0 MPa	
Tensile Elongation (Break)	630 %	630 %	ASTM D638
Flexural Modulus - 2% Secant	83800 psi	578 MPa	ASTM D790
<b>Thermal</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Oxidation Induction Time (392°F (200°C))	> 90 min	> 90 min	ASTM D3895
<b>Extrusion</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	
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

Published: 2016-12-13

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