



FM 37564



## DATA SHEET FOR HIGH DENSITY POLYETHYLENE R/G GRADE ASTM and ISO PROPERTIES <sup>1</sup>

Physical	Value	Unit	Test Method
Density	0.96	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16kg, Procedure B)	0.3-0.8	g/10 min	ISO 1183
(190°C/5.0kg, Procedure B)	1.8 - 2.2	g/10 min	
Enviro. Stress Crack Resistance (F50, 10% Antarox)	300	Hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	210000	psi	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Stress at Yield	4350	psi	ISO 527-1, -3
Tensile Strain at Break	1000	%	ISO 527-1, -3
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (73°F) <sup>2</sup>	2.6	ft-lb/in <sup>2</sup>	ISO 180
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO868
Optical	Nominal Value	Unit	Test Method
Yellowness	N/A	%	ASTM D1925
Additional Properties			
NNI, 2-04: >60			
Tensile Strain at Yield, ISO 527-3: 11%			
Notes			
<sup>1</sup> Typical properties: these are not to be construed as specifications.			
<sup>2</sup> TYPE 1, Notch A			
Features			
<ul style="list-style-type: none"> <li>• Chemical Resistance, Good</li> <li>• Density, High</li> <li>• Detergent Resistant</li> <li>• ESCR, High (Stress Crack Resist.)</li> </ul>		<ul style="list-style-type: none"> <li>• Food Contact Acceptable</li> <li>• Oil Resistant</li> <li>• Recyclable Material</li> <li>• Stiffness, High</li> </ul>	
Processing Method			
<ul style="list-style-type: none"> <li>• Extrusion</li> </ul>			

HDPE / RG