



FM 37564



DATA SHEET FOR HIGH DENSITY POLYETHYLENE R/G GRADE ASTM and ISO PROPERTIES ¹

Physical	Value	Unit	Test Method
Density	0.96	g/cm ³	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) ²	2.6	ft-lb/in ²	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			
¹ Typical properties: these are not to be construed as specifications.			
² TYPE 1, Notch A			
Features			
<ul style="list-style-type: none"> • Chemical Resistance, Good • Density, High • Detergent Resistant • ESCR, High (Stress Crack Resist.) 	<ul style="list-style-type: none"> • Food Contact Acceptable • Oil Resistant • Recyclable Material • Stiffness, High 		
Processing Method			
<ul style="list-style-type: none"> • Extrusion 			

HDPE / RG

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