Technical Data Sheet

Network Polymers
HDPE 50 5502

High Density Polyethylene
Engineering Plastics

General	
Features	High Density
Forms	• Pellets

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.952 g/cm³	0.952 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) [1] (190°C/2.16 kg)	0.30 g/10 min	0.30 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength [2] (Break)	3600 psi	24.8 MPa	ASTM D638
Tensile Elongation [2] (Break)	4.0 %	4.0 %	ASTM D638
Flexural Modulus [3]	155000 psi	1070 MPa	ASTM D790B

Notes

[1] Procedure A

[2] 2.0 in/min (51 mm/min)

[3] Method I (3 point load), 0.050 in/min (1.3 mm/min)

Notes

These are typical property values not to be construed as specification limits.