

Technical Data Sheet
Network Polymers
HDPE 50 0753
High Density Polyethylene
Engineering Plastics



General			
Features	• Food Contact Acceptable		
Agency Ratings	• FDA 21 CFR 177.1520		
Forms	• Pellets		
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.953 g/cm ³	0.953 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0 g/10 min	7.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Break)	4350 psi	30.0 MPa	ASTM D638
Tensile Elongation ¹ (Break)	950 %	950 %	ASTM D638
Flexural Modulus ²	180000 psi	1240 MPa	ASTM D790
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-105 °F	-76.1 °C	ASTM D746

Notes

¹ 2.0 in/min (51 mm/min)

² 0.050 in/min (1.3 mm/min)

Notes

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