



## HDPE 5502

General			
Availability <sup>1</sup>	▪ Latin America	▪ North America	
Additive	▪ Thermal Stabilizer: Yes	▪ Antistatic: Yes	
Applications	▪ Drainage Pipes ▪ Food packaging	▪ Household and Industrial chemical containers ▪ Pharmaceutical Packaging	▪ Thermoformed Parts ▪ Thin Gauge Sheet
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.954 g/cm <sup>3</sup>	0.954 g/cm <sup>3</sup>	ASTM D4883
Melt Index (190°C/2.16 kg)	0.30 g/10 min	0.30 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Brittleness Temperature	< -105 °F	< -76 °C	ASTM D746
Vicat Softening Temperature	261 °F	127 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield	4100 psi	28 MPa	ASTM D638
Flexural Modulus	190000 psi	1300 MPa	ASTM D790
Environmental Stress-Crack Resistance			ASTM D1693
100% Igepal	30 hr	30 hr	

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Impact Strength	90 ft·lb/in <sup>2</sup>	190 kJ/m <sup>2</sup>	ASTM D1822

### Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.