



Product Data Sheet & General Processing Conditions

**RTP 0799 X 154371A
High Density Polyethylene (HDPE)**

General		
Additive	• Thermal Stabilizer: Yes	• UV Stabilizer: No
Applications	• Closures • Food Packaging Containers	• Housewares • Toys
Revision Date	• March 2019	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.956 g/cm ³	0.956 g/cm ³	ISO D792
Melt Index (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (0.45 MPa)	147 °F	64 °C	ISO 75-2/B
Peak Melting Temperature	271 °F	133 °C	ASTM D3418

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	3300 psi	23 MPa	ISO 527-2/1A/50
Tensile Strain at Yield	10 %	10 %	ISO 527-2/1A/50
Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2/1A/50
Flexural Modulus	140000 psi	970 MPa	ISO 178
Environmental Stress-Crack Resistance 122°F (50°C), 10% Igepal	2 hr	2 hr	ASTM D1693

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength	1.9 ft-lb/in ²	4.0 kJ/m ²	ISO 180/1A