

## 6070 UA HDPE

**Categories:** [Polymer](#); [Thermoplastic](#); [Polyethylene](#); [HDPE](#); [High Density Polyethylene \(HDPE\)](#), [Injection Molded](#)

<b>Physical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Density	0.960 g/cc	0.0347 lb/in <sup>3</sup>	ASTM D792
Melt Flow	7.50 g/10 min @Load 2.16 kg, Temperature 190 °C	7.50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
<b>Mechanical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	1100 %	1100 %	ASTM D638
Charpy Impact, Notched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	ASTM D256
<b>Thermal Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
Vicat Softening Point	127 °C	261 °F	ASTM D1525