

<b>Melt Flow</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Flow, gm/10 min., 200/5.0	D-1238	13.0
<b>Impact Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Falling Dart, in-lb	D-3029	125
Izod, ft-lbs/in, notched	D-256	2.1
<b>Tensile Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Strength, psi	D-638	3,200
Modulus, psi (10 <sup>5</sup> )	D-638	3.2
Elongation, %	D-638	45
<b>Flexural Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Strength, psi	D-790	5,700
Modulus, psi (10 <sup>5</sup> )	D-790	3
<b>Thermal Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Heat Distortion, °F Annealed	D-648	184
Vicat Softening, °F	D-1525	197
<b>Other Properties</b>	<b>ASTM Test</b>	<b>Typical Value</b>
Gloss, 60°	D-523	92

POLYSTYRENE 830 is a high melt flow, high impact polystyrene specially designed for hard to fill injection molding applications. The material is targeted for large parts, thin wall parts or molds with complex runner and gate systems. The high flow 830 material aids production of stress free parts.

**Other Information**

- (1) This material complies with FDA requirements as decrypted in 21 CFR §177.1640.
- (2) This material holds Underwriters Laboratory recognition 94HB; see UL File E55470 at www.UL.com.
- (3) Material Safety Data Sheets are available to help customers satisfy their safety needs.

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