

Melt Flow	ASTM Test	Typical Value
Flow, gm/10 min., 200/5.0	D-1238	8.0
Impact Properties	ASTM Test	Typical Value
Falling Dart, in-lb	D-3029	125
Izod, ft-lbs/in, notched	D-256	2.0
Tensile Properties	ASTM Test	Typical Value
Strength, psi	D-638	3,600
Modulus, psi (10 ⁵)	D-638	3.3
Elongation, %	D-638	50
Flexural Properties	ASTM Test	Typical Value
Strength, psi	D-790	6,700
Modulus, psi (10 ⁵)	D-790	3.4
Thermal Properties	ASTM Test	Typical Value
Heat Distortion, °F Annealed	D-648	196
Vicat Softening, °F	D-1525	205
Other Properties	ASTM Test	Typical Value
Gloss, 60°	D-523	88

POLYSTYRENE 825 is the high impact polystyrene for injection molding. The polymer's ability to be molded on fast cycles with minimal stresses results in outstanding impact retention. Applications such as appliance housings, housewares, toys, and structural foam require this polymer to produce consistent parts. Advanced rubber particle size control makes 825 the choice for all high gloss applications.

Other Information

- (1) This material complies with FDA requirements as decrepited 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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