

Melt Flow	ASTM Test	Typical Value
Flow, gm/10 min., 200/5.0	D-1238	3.0
Impact Properties	ASTM Test	Typical Value
Falling Dart, in-lb	D-3029	125
Izod, ft-lbs/in, notched	D-256	2.2
Tensile Properties	ASTM Test	Typical Value
Strength, psi	D-638	3,500
Modulus, psi (10 ⁵)	D-638	3
Elongation, %	D-638	55
Flexural Properties	ASTM Test	Typical Value
Strength, psi	D-790	6,900
Modulus, psi (10 ⁵)	D-790	3.2
Thermal Properties	ASTM Test	Typical Value
Heat Distortion, °F Annealed	D-648	201
Vicat Softening, °F	D-1525	210
Other Properties	ASTM Test	Typical Value
Gloss, 60°	D-523	70

POLYSTYRENE 825E is a high impact polystyrene designed specifically for extrusion/thermoforming. The polymer's balanced properties and processing characteristics make it especially suitable for industrial packaging deep draw thermoforming and custom multilayer sheet extrusion. Over the years this popular resin has established itself as the standard extrusion grade high impact polystyrene.

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.

03/05



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