

| Melt Flow | ASTM Test | Typical Value |
|---------------------------------|------------------|----------------------|
| Flow, gm/10 min., 200/5.0 | D-1238 | 9.0 |
| Impact Properties | ASTM Test | Typical Value |
| Falling Dart, in-lb | D-3029 | 140 |
| Izod, ft-lbs/in, notched | D-256 | 2.6 |
| Tensile Properties | ASTM Test | Typical Value |
| Strength, psi | D-638 | 2,800 |
| Modulus, psi (10 ⁵) | D-638 | 2.7 |
| Elongation, % | D-638 | 55 |
| Flexural Properties | ASTM Test | Typical Value |
| Strength, psi | D-790 | 5,600 |
| Modulus, psi (10 ⁵) | D-790 | 3.1 |
| Thermal Properties | ASTM Test | Typical Value |
| Heat Distortion, °F Annealed | D-648 | 194 |
| Vicat Softening, °F | D-1525 | 204 |
| Other Properties | ASTM Test | Typical Value |
| Gloss, 60° | D-523 | 60 |

POLYSTYRENE 945 is designed for injection molding applications requiring superior toughness. This polymer is a super high impact polystyrene with excellent gloss and falling dart properties. The impact and gloss levels achievable with 945 allow design engineers to use this polymer instead of more expensive engineering polymers. Applications such as industrial guards, appliance housings, toys, and industrial spools are candidates for 946.

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.

05/04



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