



Prime Engineering and Commodity Thermoplastic Resins

HI 0802 High Impact Polystyrene

Description: HI 0802 is a high impact polystyrene for injection molding.

Applications: Consumer electronic housings / Housewares / Office accessories

Features: Good balance of toughness and rigidity
Good processibility
FDA 21 CFR 177.1640

| Physical Properties | Typical Values | Test Method(s) |
|--|-----------------------|-----------------------|
| Melt Flow Rate – g/10 min (200°C/5.0kg) | 8.0 | D-1238 |
| Izod – ft-lbs/in, notched | 2.0 | D-256 |
| Tensile Strength - psi | 3,600 | D-638 |
| Tensile Modulus –psi | 330,000 | D-638 |
| Flexural Strength – psi | 6,500 | D-790 |
| Flexural Modulus – psi | 340,000 | D-790 |
| Heat Distortion – °F | 193 | D-648 |
| Vicat Softening - °F | 205 | D-1525 |

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The nominal properties reported herein are laboratory tested and are typical data for these materials. Plastic Solutions, Inc. does not guarantee suitability of these materials for specific applications. Each user of material should make their own tests to determine suitability of a material in a design or application.

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