



Prime Engineering and Commodity Thermoplastic Resins

HI 0803 High Impact Polystyrene

Description: HI 0803 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	2.8	D-256
Tensile Strength - psi	3,240	D-638
Tensile Modulus –psi	270,000	D-638
Flexural Strength – psi	5,760	D-790
Flexural Modulus – psi	270,000	D-790
Heat Distortion – °F	180	D-648
Vicat Softening - °F	208	D-1525

Distributed Exclusively by: Plastic Solutions, Inc.
15800 Birmingham Hwy – Bldg 500
Milton, GA 30004
www.plasticsolutions.net

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.

PrimaFlex® is a registered trademark of Plastic Solutions, Inc.