



Prime Engineering and Commodity Thermoplastic Resins

HI 0302 High Impact Polystyrene

Description: HI 0302 is a high impact polystyrene designed specifically for extrusion and thermoforming.

Applications: Food packaging / Dairy and deli containers / Disposable medical kits

Features: Good ESCR
High toughness
Consistent processibility
FDA 21 CFR 177.1640

Physical Properties	Typical Values	Test Method(s)
Melt Flow Rate – g/10 min (200°C/5.0kg)	3.0	D-1238
Falling Dart	110	D-3029
Izod – ft-lbs/in, notched	2.3	D-256
Tensile Strength - psi	3,600	D-638
Tensile Modulus –psi	300,000	D-638
Flexural Strength – psi	6,900	D-790
Flexural Modulus – psi	320,000	D-790
Heat Distortion – °F	202	D-648
Vicat Softening - °F	215	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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