



Prime Engineering and Commodity Thermoplastic Resins

## GP 0400                      General Purpose Polystyrene

**Description:** GP 0400 is a medium flow crystal polystyrene for injection molding.

**Applications:** Electronics / Office accessories / Appliance components

**Features:** Mar resistance  
Economical alternative to SAN and PC  
FDA 21 CFR 177.1640

<b>Physical Properties</b>	<b>Typical Values</b>	<b>Test Method(s)</b>
Melt Flow Rate – g/10 min (200°C/5.0kg)	3.5	D-1238
Falling Dart	----	D-3029
Izod – ft-lbs/in, notched	----	D-256
Tensile Strength - psi	7,500	D-638
Tensile Modulus –psi	430,000	D-638
Flexural Strength – psi	14,000	D-790
Flexural Modulus – psi	430,000	D-790
Heat Distortion – °F	196	D-648
Vicat Softening - °F	208	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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