



Prime Engineering and Commodity Thermoplastic Resins

GP 1400 General Purpose Polystyrene

Description: GP 1400 is a high flow general purpose crystal polystyrene for both injection molding.

Applications: Single Service Cutlery / Drinkware / Medical disposables / Masterbatch compounds

Features: Exceptional flow characteristics
Good for thin wall and complex parts
FDA 21 CFR 177.1640

Physical Properties	Typical Values	Test Method(s)
Melt Flow Rate – g/10 min (200°C/5.0kg)	14.0	D-1238
Izod – ft-lbs/in, notched	0.4	D-256
Tensile Strength - psi	6,200	D-638
Tensile Modulus –psi	460,000	D-638
Flexural Strength – psi	11,100	D-790
Flexural Modulus – psi	480,000	D-790
Heat Distortion – °F	173	D-648
Vicat Softening - °F	209	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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