



Prime Engineering and Commodity Thermoplastic Resins

GP 0900 General Purpose Polystyrene

Description: GP 0900 is a general purpose crystal polystyrene for both injection molding and cap layer coextrusion.

Applications: Cutlery / Coextrusion capping / Medical applications

Features: Minimal stress and fast cycles
FDA 21 CFR 177.1640

Physical Properties	Typical Values	Test Method(s)
Melt Flow Rate – g/10 min (200°C/5.0kg)	9.0	D-1238
Falling Dart	----	D-3029
Izod – ft-lbs/in, notched	----	D-256
Tensile Strength - psi	6,700	D-638
Tensile Modulus –psi	440,000	D-638
Flexural Strength – psi	13,500	D-790
Flexural Modulus – psi	450,000	D-790
Heat Distortion – °F	200	D-648
Vicat Softening - °F	213	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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