



TECHNICAL DATA SHEET (TDS)

GPSS PS14GP CRYSTAL POLYSTYRENE

OVERVIEW: High injection molding.

Applications: cutlery, tumblers and containers, blending crystal, master batch carrier.

Complies with the specifications U.S. FDA 21 CFR 177.1640.

ADDITIVE:

Rheological Properties	Test Method	Units	Nominal Values
Melt Flow (200°C-5 kg)	ASTM D-1238	g/10min	14.0
Density		g/cm ³	1.04
Properties			
Tensile strength	ASTM D-638	Psi	6400
Tensile Modulus	ASTM D-638	Psi(105)	4.5
Flexural Strength	ASTM D-790	Psi	12200
Flexural Modulus	ASTM D-790	Psi(105)	4.6
Heat Distortion-Annealed	ASTM D-648	°F	195
Vicat Softening	ASTM D-1525	°F	206
Linear Shrinkage	ASTM D-955	in/in	.004-.007
Moisture		%	<0.1

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