



TECHNICAL DATA SHEET (TDS)

GPPS PS16GP CRYSTAL POLYSTYRENE

OVERVIEW: High molecular weight, low melt flow, high heat crystal polystyrene.

Applications: Foam disposables, insulation foam board, OPS disposables.

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

ADDITIVE:

Properties	Method	Units	Nominal Values
Melt Flow (200°C-5 kg)	ASTM D-1238	g/10min	1.6
Density		g/cm ³	1.04
Properties			
Tensile strength	ASTM D-638	Psi	7600
Tensile Modulus	ASTM D-638	Psi(10 ⁵)	4.3
Flexural Strength	ASTM D-790	Psi	14200
Flexural Modulus	ASTM D-790	Psi(10 ⁵)	4.3
Heat Distortion-Annealed	ASTM D-648	°F	211
Vicat Softening	ASTM D-1525	°F	225
Linear Shrinkage	ASTM D-955	in/in	.004-.007
Moisture		%	<0.1

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