



**TECHNICAL DATA SHEET (TDS)**

# GPSS 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 <sup>3</sup>	1.04
<b>Properties</b>			
Tensile strength	ASTM D-638	Psi	7600
Tensile Modulus	ASTM D-638	Psi(10 <sup>5</sup> )	4.3
Flexural Strength	ASTM D-790	Psi	14200
Flexural Modulus	ASTM D-790	Psi(10 <sup>5</sup> )	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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