



TECHNICAL DATA SHEET (TDS)

GPSS PS3GP CRYSTAL POLYSTYRENE

OVERVIEW:

Is high heat crystal polystyrene designed for injection molding, extrusion, and blow molding. The material demonstrates excellent strength and good temperature resistance.

Applications: electronics packaging, cutlery, office accessories, medical and appliance components.

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

ADDITIVE:

Properties	Test Method	Units	Nominal Values
Melt Flow (200°C-5 kg)	ASTM D-1238	g/10min	4.0
Density		g/cm ³	1.04
Properties			
Tensile strength	ASTM D-638	Psi	7400
Tensile Modulus	ASTM D-638	Psi(10 ⁵)	4.3
Flexural Strength	ASTM D-790	Psi	14000
Flexural Modulus	ASTM D-790	Psi(10 ⁵)	4.5
Heat Distortion-Annealed	ASTM D-648	°F	208
Vicat Softening	ASTM D-1525	°F	222
Linear Shrinkage	ASTM D-955	in/in	.004-.007
Moisture		%	<0.1

The above information is provided in good faith. TRANSAMERICAN POLYMERS CORP. is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, TRANSAMERICAN POLYMERS CORP. MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBED, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR PARTICULAR PURPOSE.

