



## TECHNICAL DATA SHEET (TDS)

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

The above information is provided in good faith. PACIFIC is not responsible for any processing or compounding which may occur to produce finished articles, packaging materials or their components. Further, PACIFIC MAKES NO WARRANTY OR REPRESENTATION OF ANY KIND, REGARDING THE INFORMATION GIVEN FOR THE PRODUCTS DESCRIBE D, 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.

**825 BRICKELL BAY DRIVE, SUITE 1750, MIAMI, FLORIDA 33131  
TELEPHONE (305) 358-1900 WWW.PACIFIC-LTD.COM**

