

## Technical Datasheet

GPPS1460

### 1) Product Description:

GPPS1460 is a high heat resistance and molecular weight crystal polystyrene for extrusion and thick walled injection molding application. It is particularly useful in the production of thick sheet by direct inject gassing, where it gives expanded sheets with high mechanical properties. This grade has food contact approval.

### 2) Applications:

- ✓ Insulation board (xps)
- ✓ Foam sheet of food and fruits trays

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
Melt Flow Rate (200 °C, 5kg)	ASTM D-1238	g/10min	6.5
Styrene Residual Monomer	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
Vicat softening point (50 °C/hr 1kg)	ASTM D-1525	°C	103
Tensile Stress at Break	ASTM D-638	MPA	48
Elongation at Break	ASTM D-638	%	1
Tensile Modulus	ASTM D-638	MPA	3200

\*All above mentioned data are typical values and not to be construed as real specifications. Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7)% (ASTM D-955) respectively.

All tests are carried out at 23°C, unless otherwise stated. If the injection molding products quality is affected by moisture, granules of GPPS could be dried at 70°C for 2-4 hours.

Address: No. 14, 1st floor, 23B, Tskneti Highway, Vake-Saburtalo Reg., Tbilisi, Georgia.

ZIP Code: 0162, Tel: +995 322434008/9, Email: [info@mrchemicalge.com](mailto:info@mrchemicalge.com) | [www.mrchemicalge.com](http://www.mrchemicalge.com)