



## GPPS

### GENERAL PURPOSE POLYSTYRENE -(GPPS)

#### GPPS1460 - (T.P.C)

##### 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. Applications: insulation board (xps), foam sheet of food & fruits trays.

##### Typical data - GPPS1460

PROPERTY	TEST METHOD	UNIT	VALUE
MELT FLOW INDEX(200 C/5KG)	ASTM D-1238	GR/10MIN	6.5
STYRENE RESIDUAL MONOMER	CLG LABPSG004	PPM	<500
VICAT SOFTENING POINT ( 50 °C/hr 1kg)	ASTM D-1525	oC	103
TENSILE STRENGTH AT BREAK	ISO527-2	MPA	48
ELONGATION AT BREAK	ISO527-2	%	3
TENSILE MODULUS	ISO527-2	MPA	3200

\*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales 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.

##### Producer: Tabriz Petrochemical Company (T.P.C)



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