

Technical Data Sheet

GPPS 1460

General Purpose Polystyrene

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.

PROPERTY	UNIT	TEST METHOD	VALUE
Melt Floe Index(200°C/5Kg)	g/10 min	ASTM D-1238	6.5
Styrene Residual Monomer	PPM	CLG LABPSG004 (ATOFINA Test Method)	<500
Vicat Softening Point (50°C/hr 1 kg)	°C	ASTM D-1525	103
Tensile Stress at Break	MPA	ISO527-2	48
Elongation at Break	%	ISO527-2	3
Tensile Modulus	MPA	ISO527-2	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.