

Product Data Sheet

GPPS 1460

General purpose polystyrene

Product Description

GPPS 1460 is a high heat resistance and molecular weight crystal polystyrene for extrusion and thick walled injection moulding application.

It is particularly useful in the production of thick sheet by direct inject gassing, where it gives expanded sheets with high mechanical properties.

Applications:

insulation board(xps), foam sheet of food & fruits trays

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ISO 1133 H	6.5
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ISO 306A50	103
TENSILE STRESS AT BREAK	MPA	ISO 527-2	48
ELONGATION AT BREAK	%	ISO 527-2	1
TENSILE MODULUS	MPA	ISO 527-2	3200
WATER ADSORPTION	%	ISO 62	<0.1

*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 test 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.