

GPPS 1160 Technical Datasheet

1) Product Description:

GPPS 1160 is a high heat resistance and molecular weight crystal polystyrene for extrusion and bi oriented polystyrene (OPS) industry. It is particularly useful in the production of thick sheet by direct inject gassing, where it gives expanded sheets with high mechanical properties. GPPS 1160 can also be used in dilution with HIPS7240 for extrusion of sheet for thermoforming. This grade has food contact approval

2) Applications:

shower cabinets, lighting thin films, insulation board, foam sheet of fruits trays, meat trays, egg boxes.

3) Typical data:

Property	Test method	Unit	value
MELT FLOW INDEX (200°C/5KG)	ASTM D-1238	g/10min	2.5
STYRENE RESIDUAL MONOMER	CLG LABPSG004 (ATOFINA TEST METHOD)	PPM	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	ASTM D-1525	°C	105
ROCKWELL HARDNESS	ASTM D-785	-	SCALE/L70
TENSILE STRESS AT BREAK	ASTM D-638	MPA	48
ELONGATION AT BREAK	ASTM D-638	%	3
TENSILE MODULUS	ASTM D-638	MPA	3200

* Typical values not to be construed as specifications.