

## GPPS 1160

### Description:

GPPS1160 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.

GPPS1160 can also be used in dilution with HIPS7240 for extrusion of sheet for thermoforming.

Properties	Test Method	Unit	Value
Melt Flow Index (200°C-5KG)	ASTM D-1238	g/10min	2.5
Styrene Residual Monomer	CLG LABPSG004 (Atofina)	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

### Applications:

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

**Producer:** Tabriz Petrochemical Company