

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	TYPICAL 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
Melt Floe Index(200°C/5Kg)	g/10 min	ASTM D-1238	6.5