

	TYPICAL DATA SHEET*	ISSUE DATE	Feb-15
	GRADE		
	GPPS AP1309		

GPPS AP1309 is a crystalline polystyrene with high heat resistance and molecular weight, used for extrusion and double Oriented polystyrene (OPS) industry. Especially useful in the process of directly producing thick plates. Inject gas to make it have higher mechanical properties.
Applications: shower room, lighting film, heat insulation board, foam fruit tray, meat tray, egg box.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ASTM D-1238	11
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	92
ROCKWELL HARDNESS	-	ASTM D-1525	L SCALE/ 70
TENSILE STRENGTH AT BREAK	MPA	ASTM D-638	42
ELONGATION AT BREAK	%	ASTM D-638	2
TENSILE MODULUS	MPA	ASTM D-638	3100

All the above data are typical values and cannot be used as actual data. Users should test and confirm the results by themselves.

The density and shrinkage of this grade are about 1.04 kg/liter and (0.4-0.7)% (ASTM D-955), respectively. If the quality of injection molded products is affected by moisture, GPPS particles can be dried at 70°C for 2-4 hours.