	TYPICAL DATA SHEET*	ISSUE DATE	Feb-15
	GRADE	WWW.ARTENPETRO.COM	
	GPPS 0503	Address: No 1331 ,alam al-hoda 1 St, Babaei , 2nd Phase,industrial Estat, Shokoochieh,Qom Iran Tell:+98(25)33346396 Fax:+98(25)33346473	

GPPS0503 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	4
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	100
ROCKWELL HARDNESS	-	ASTM D-1525	L SCALE/ 70
TENSILE STRENGTH AT BREAK	MPA	ASTM D-638	50
ELONGATION AT BREAK	%	ASTM D-638	2
TENSILE MODULUS	MPA	ASTM D-638	3200

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

	STANDARD SALES SPECIFICATIONS (GUARANTEED ITEMS)*	ISSUE DATE	Feb-15
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PROPERTY	UNIT	TEST METHOD	SPECIFICATION RANGE
MELT FLOW INDEX (200 °C - 5KG)	g/10min	ASTM D-1238	3-5
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	MIN 98
RESIDUAL MONOMER	PPM	ATOCHEM PSG-004	MAX 500

FOR MORE INFORMATION PLEASE CALL QUALITY ASSURANCE DEPARTMENT AT