	TYPICAL DATA SHEET*	ISSUE DATE	Feb-15
	GRADE	WWW.ARTANPETRO.COM	
	GPPS 1612	Address: No 1331 ,alam al-hoda 1 St, Babaei , 2nd Phase,industrial Estat, Shokooohieh,Qom Iran Tell:+98(25)33346396 Fax:+98(25)33346473	

GPPS1612 is an easy-flowing crystalline polystyrene designed for extrusion or injection molding applications.

It improves the output of the extruder and the cycle time of thermoforming, and is especially suitable


for co-extrusion of smooth layers. Application range:

Packaging supplies, dinner plates, office equipment, pen barrels, refrigerator crispers, office equipment

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ASTM D-1238	14
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	88
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	3000

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
	GRADE	WWW.ARTANPETRO.COM	
	GPPS 1612	Address: No 1331 ,alam al-hoda 1 St, Babaei , 2nd Phase,industrial Estat, Shokooohieh,Qom Iran Tell:+98(25)33346396 Fax:+98(25)33346473	

PROPERTY	UNIT	TEST METHOD	SPECIFICATION RANGE
MELT FLOW INDEX (200 °C - 5KG)	g/10min	ASTM D-1238	12-16
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	MIN 86.5
RESIDUAL MONOMER	PPM	ATOCHEM PSG-004	MAX 500

FOR MORE INFORMATION PLEASE CALL QUALITY ASSURANCE DEPARTMENT AT