

	TYPICAL DATA SHEET	ISSUE DATE	Feb-15
	GRADE	WWW.ARTANPETRO.COM	
	GPPS 0402	Address: No 1331 ,alam al-hoda 1 St, Babaei , 2nd Phase,Industrial Estat, Shokoochieh,Qom Iran Tell:+98(25)33346396 Fax:+98(25)33346473	

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Product description:

GPPS 0402 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.

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

Property	Unit	Test Method	Typical Value
Melt flow index(200°C-5kg)	g/10min	ASTM D-1238	3
Styrene Residual Monomer	ppm	CLGLABPSG004 (ATOFINA TEST)	<500
Vicat Softening Point (50 °c/hr 1kg)	°C	ASTM D-1525	102
Rockwell Hardness(SCALE/L)	-	ASTM D-785	70
Tensile Strength at Break	MPa	ASTM D-638	55
Elongation at Break	%	ASTM D-638	2
Tensile Modulus	MPa	ASTM D-638	3300
Notched IZOD Impact Strength (23°C)	(kg-cm/cm)	ASTM D-256	2.2
Density	g/cm ³	ASTM D-792	1.04
Moulding Shrinkage	%	ASTM D-955	0.4-0.7
Flexural Modulus	MPa	ASTM D-790	3100
Flexural Strenght	MPa	ASTM D-790	90
HDT(1.82 MPa)	°C	ASTM D-648	85
Flammability	-	UL94	HB
Haze	%	ASTM D-1003	2.5 – 3.0

*All above mentioned data are typical values and not to be construed as real specifications.Users should confirm results by their own tests.

Note: If the injection molding products quality is affected by moisture,granules of GPPS could be dried at 70°C for 2-4 hours