

	<b>TYPICAL DATA SHEET*</b>	<b>ISSUE DATE</b>	<b>16/June/2020</b>
	<b>GENERAL PURPOSE POLYSTYRENE (GPPS)</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
	<b>GPPS1340</b>	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

GPPS1340 is high molecular weight crystal polystyrene for extrusion and injection molding. It is particularly useful in the production of sheet with high mechanical properties. GPPS1340 can also be used in dilution with HIPS7240 for extrusion of sheet for thermoforming.

Applications: sheet and profile extrusion, packaging, dilution of impact grades for extrusion, injection molding.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
<b>MELT FLOW INDEX(200°C-5KG)</b>	g/10min	ASTM D-1238	4
<b>STYRENE RESIDUAL MONOMER</b>	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
<b>VICAT SOFTENING POINT ( 50 °C/hr 1kg)</b>	°C	ASTM D-1525	97
<b>ROCKWELL HARDNESS</b>	-	ISO2039-2	SCALE/L70
<b>TENSILE STRESS AT BREAK</b>	MPA	ISO527-2	44
<b>ELONGATION AT BREAK</b>	%	ISO527-2	2.5
<b>TENSILE MODULUS</b>	MPA	ISO527-2	3100

\*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications). Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7) % (ASTM D-955) respectively. All tests are carried out at 23°C, unless otherwise stated. If the injection molding products quality is affected by moisture, granules of GPPS could be dried at 70°C for 2-4 hours.