

	<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>GPPS1540B</b>	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

GPPS1540B is easy flowing crystal polystyrene designed for extrusion or injection applications. It improves extruder output and thermoforming cycle time when mixed with a super high impact polystyrene such as HIPS7240. It is not suitable for glossy-layer co extrusion. This grade has food contact approval

Applications: packaging articles, Petri dishes, office equipments, pen barrels, crisper boxes for refrigerators, cups gloss layer co extrusion and anionic styrene butadiene copolymer dilution.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
<b>MELT FLOW INDEX(200°C-5KG)</b>	g/10min	ASTM D-1238	11
<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	91
<b>ROCKWELL HARDNESS</b>	-	ISO2039-2	L SCALE/ 70
<b>TENSILE STRESS AT BREAK</b>	MPA	ISO527-2	42
<b>ELONGATION AT BREAK</b>	%	ISO527-2	2
<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.