

	TYPICAL DATA SHEET*	ISSUE DATE	16/June/2020
	GENERAL PURPOSE POLYSTYRENE (GPPS)	WWW.TPCO.IR	
	GPPS1810	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

GPPS1810 is easy flowing crystal polystyrene designed for injection applications.
Applications: Petri dishes, blood sample tubes, disposable beakers, thin wall moldings.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ASTM D-1238	20
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	90
ROCKWELL HARDNESS	-	ISO2039-2	SCALE/ L70
TENSILE STRENGTH AT BREAK	MPA	ISO527-2	42
ELONGATION AT BREAK	%	ISO527-2	2
TENSILE MODULUS	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.