



## TYPICAL DATA SHEET\*

ISSUE DATE

16/June/2020

### HIGH IMPACT POLYSTYRENE (HIPS)

[WWW.TPCO.IR](http://WWW.TPCO.IR)

### HIPS7240

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

HIPS7240 is very high impact polystyrene for the extrusion industry. This grade has been designed to dilute with crystal polystyrene. The good melt strength of this grade makes it particularly suited for deep-draw thermoforming. HIPS7240 is available in white color.

Applications: cups, trays, egg boxes, general packaging, co extrusion with GPPS at industrial sheets .Food container.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ASTM D-1238	4.5
STYRENE RESIDUAL MONOMER	PPM	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT ( 50 °C/hr 1kg)	°C	ASTM D-1525	97
ROCKWELL HARDNESS	-	ISO 2039-2	SCALE/R65
TENSILE STRESS AT YEILD	MPA	ISO527-2	23
TENSILE STRESS AT BREAK	MPA	ISO527-2	21
ELONGATION AT BREAK	%	ISO527-2	60
TENSILE MODULUS	MPA	ISO527-2	1950
IZOD IMPACT	KJ/M2	ISO180/1A	11

\* 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 in grade reference the fourth digit is "1"(7241) indicates an external lubricants is included.