

	TYPICAL DATA SHEET*	ISSUE DATE	16/June/2020
	HIGH IMPACT POLYSTYRENE (HIPS)	WWW.TPCO.IR	
	HIPS4240	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

HIPS4240 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 extruded profiles. HIPS4240 is available in white color.

Applications: arty sheet, cups, trays, egg boxes, general packaging, vending cups, extruded profiles.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	g/10min	ASTM D-1238	3.5
STYRENE RESIDUAL MONOMER	PPM	CLG LABRSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT (50 °C/hr 1kg)	°C	ASTM D-1525	97
ROCKWELL HARDNESS	-	ASTM D-785	SCALE/L71
TENSILE STRESS AT YEILD	MPA	ASTM D-638	29
TENSILE STRESS AT BREAK	MPA	ASTM D-638	27
ELONGATION AT BREAK	%	ASTM D-638	45
TENSILE MODULUS	MPA	ASTM D-638	3110
IZOD IMPACT	KJ/M2	ISO180	6

* 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.