

	TYPICAL DATA SHEET*	ISSUE DATE	OCT 2024
	HIGH IMPACT POLYSTYRENE(HIPS)	www.tpc.ir	
	HIPS4240	IRAN/TABRIZ/TABRIZPETROCHEMICAL 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.

Features: The good melt strength of this grade makes it particularly suited for extruded profiles. HIPS4240 is available in white color.

Processing Method: extrusion

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

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	gr/10min	ASTM D-1238	3.5
STYRENE RESIDUAL MONOMER	ppm	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT(50 °C/hr 1kg)	°c	ASTM D-1525	97
HDT(120°C/HR AND 1.82MPa)	°c	ASTM D-648	83
ROCKWELL HARDNESS	-	ASTM D-785	92 R SCALE
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/m ²	ISO180/1A	6
DENSITY	gr/cm ³	ASTM D-792	1.04
SHRINKAGE	%	ASTM D-955	0.55
YELLOWNESS INDEX	-	ASTM E-313	-3
WHITENESS INDEX	-	ASTM E-313	80

* 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. All tests are carried out at 23°C, unless otherwise stated.