	TYPICAL DATA SHEET*	ISSUE DATE	Jul 2025
	HIGH IMPACT POLYSTYRENE(HIPS)	www.tpco.ir	
	HIPS7240	IRAN/TABRIZ/TABRIZPETROCHEMICAL 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.
Features: The good melt strength of this grade makes it particularly suited for deep-draw thermoforming.HIPS7240 is available in white color. This grade has food contact approval
Processing Method: extrusion
Application: cups, trays, egg boxes, general packaging, co extrusion with GPPS at industrial sheets .Food container.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	gr/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
HDT(120ºC/HR AND 1.82MPa)	°c	ASTM D-648	80
ROCKWELL HARDNESS	-	ASTM D785	92 R SCALE
TENSILE STRESS AT YEILD	MPa	ASTM D638	21
TENSILE STRESS AT BREAK	MPa	ASTM D638	22
ELONGATION AT BREAK	%	ASTM D638	50
TENSILE MODULUS	MPa	ASTM D638	1950
IZOD IMPACT(NOTCHED)	KJ/m^2	ISO180/1A	11
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. If in grade reference the fourth digit is "1"(7241) indicates an external lubricants is included.