

	TYPICAL DATA SHEET*	ISSUE DATE	OCT 2024
	HIGH IMPACT POLYSTYRENE(HIPS)	www.tpc.co.ir	
	HIPS6630	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

HIPS6630 is high impact polystyrene for the injection molding industry. This grade has been designed to dilute with crystal polystyrene.

Features: The high melt flow index of this grade makes it particularly suited for fast cycling injection molding. HIPS6630 is available in white color.

Processing Method: injection molding

Application: general injection molding, computer keyboards, toys, spools

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	gr/10min	ASTM D-1238	13
STYRENE RESIDUAL MONOMER	ppm	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT(50 °C/hr 1kg)	°C	ASTM D-1525	91
HDT(120°C/HR AND 1.82MPa)	°C	ASTM D-648	75
ROCKWELL HARDNESS	-	ASTM D-785	85 R SCALE
TENSILE STRESS AT YEILD	MPa	ASTM D-638	24
TENSILE STRESS AT BREAK	MPa	ASTM D-638	24
ELONGATION AT BREAK	%	ASTM D-638	45
TENSILE MODULUS	MPa	ASTM D-638	3110
IZOD IMPACT	KJ/m ²	ISO180/1A	5
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.