

	TYPICAL DATA SHEET*	ISSUE DATE	OCT 2024
	HIGH IMPACT POLYSTYRENE(HIPS)	www.tpc.ir	
	HIPS3630	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

HIPS3630 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 fact cycling injection molding.HIPS3630 is available in white color.

Processing Method: injection molding

Application: bathroom accessories, coat hangers, injection molding.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	gr/10min	ASTM D-1238	15
STYRENE RESIDUAL MONOMER	ppm	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT(50 °C/hr 1kg)	°c	ASTM D-1525	90
HDT(120°C/HR AND 1.82MPa)	°c	ASTM D-648	72
ROCKWELL HARDNESS	-	ASTM D785	95 R SCALE
TENSILE STRESS AT YEILD	MPa	ASTM D638	32
TENSILE STRESS AT BREAK	MPa	ASTM D638	25
ELONGATION AT BREAK	%	ASTM D638	30
TENSILE MODULUS	MPa	ASTM D638	2300
IZOD IMPACT	KJ/m ²	ISO180/1A	3
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.