

	TYPICAL DATA SHEET*	ISSUE DATE	OCT 2024
	HIGH IMPACT POLYSTYRENE(HIPS)	www.tpcو.ir	
	HIPS WT1235	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

WT1235 is high impact polystyrene for the injection molding industry.

Features: This grade has been designed to dilute with crystal polystyrene.WT1235 is available in white color.

Processing Method: injection molding

Application: toys, TV cabinets, clocks

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(200°C-5KG)	gr/10min	ASTM D-1238	5
STYRENE RESIDUAL MONOMER	ppm	CLG LABPSG004 (ATOFINA TEST METHOD)	<500
VICAT SOFTENING POINT(50 °C/hr 1kg)	°C	ASTM D-1525	96
HDT(120°C/HR AND 1.82MPa)	°C	ASTM D-648	77
ROCKWELL HARDNESS	-	ASTM D-785	85 R SCALE
TENSILE STRESS AT YEILD	MPa	ASTM D-638	33
TENSILE STRESS AT BREAK	MPa	ASTM D-638	35
ELONGATION AT BREAK	%	ASTM D-638	30
TENSILE MODULUS	MPa	ASTM D-638	2980
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.