



TYPICAL DATA SHEET*		ISSUE DATE	OCT 2024
ACRILIC NITRILE BUTADIENE STYRENE(ABS)		www.tpcos.ir	
SV0157		IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

SV0157 is one of the styrenic ter polymers (ABS) grades with improved toughness versus HIPS grades. SV0157 exhibits low shrinkage, and good dimensional stability.

Features: SV0157 has high melt strengths and widely used for the production of extruded sheet and some of considerable size and thickness shaped.

Processing Method: extrusion

Application: include panels for large appliances and thermoformed items such as hot tubs, recreational vehicle parts and refrigerator liner.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	0.5
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°C & HUMIDITY: 50±5%)	Kj/m ²	ASTM D-256	31
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	°C	ASTM D-1525	101
BULK DENSITY	Kg/m ³	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm ²	ASTM D-638	430
TENSILE STRENGTH AT BREAK	Kgf/cm ²	ASTM D-638	420
ELONGATION AT YEILD	%	ASTM D-638	4
ELONGATION AT BREAK	%	ASTM D-638	80
FLEXURAL STRENGTH AT YIELD	Kqf/cm ²	ASTM D-790	500
FLEXURAL MODULUS	Kgf/cm ²	ASTM D-790	18500
HDT(0.45 MPA &120°C/HR)	°C	ASTM D-648	82
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	104 R SCALE
FLAMMABILITY	-	UL94	HB
SHRINKAGE	%	ASTM D-955	0.50

*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)

Note: Drying prior to processing is recommended in a desiccant de humidifying hopper dryer. An inlet air dew point of 20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180°-190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.