

	TYPICAL DATA SHEET*	ISSUE DATE	May-2021
	ACRILONITRILE BUTADIENE STYRENE "ABS"	WWW.TPCO.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. SV0157 has high melt strengths is widely used for the production of extruded sheet and some of considerable size and thickness shaped. Mold shrinkage is around 0.4% -0.6%

Applications: include panels for large appliances and thermoformed items such as hot tubs, recreational vehicle parts and refrigerator liner. Use this information as a guide to aid you in selecting the proper resin for your application.

Drying: 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.

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	GR/10MIN	ASTM D-1238	0.5
IZOD IMPACT STRENGTH	KJ/M2	ASTM D-256	31
VICAT SOFTENING POINT(50N LOAD)	°C	ASTM D-1525	101
BULK DENSITY	KG/M3	-	600
TENSILE STRENGTH AT YEILD	KGF/CM2	ASTM D-638	430
ROCKWELL HARDNESS(AT 23°C)	R.SCALE	ASTM D-785	104

*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)