

	<b>TYPICAL DATA SHEET*</b>	ISSUE DATE	May-2021
	<b>ACRILONITRILE BUTADIENE STYRENE "ABS"</b>	<a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>	
	<b>SH0150</b>	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

SH-0150 is a high flow acrylonitrile butadiene styrene (ABS) grade with good toughness, high impact strength excellent mechanical and low-temperature properties. This grade Exhibits good process ability, vacuum formability, chemical resistance and dimensional stability. This grade is suitable for processing by extrusion and use in vacuum formed, general thin sheets and refrigerator liner sheets. Mold shrinkage is around 0.4% -0.6%

**Applications:** Parts with significant impact resistance, general sheets.

**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	1.1
IZOD IMPACT STRENGTH	KJ/M2	ASTM D-256	22
VICAT SOFTENING POINT(50N LOAD)	°C	ASTM D-1525	100
BULK DENSITY	KG/M3	-	600
TENSILE STRENGTH AT YEILD	KGF/CM2	ASTM D-638	420
ROCKWELL HARDNESS(AT 23°C)	R.SCALE	ASTM D-785	107

\*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)