

	TYPICAL DATA SHEET*	ISSUE DATE	May-2021
	ACRILONITRILE BUTADIENE STYRENE "ABS"	WWW.TPCO.IR	
	SD0152	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

SD0152 is one of the styrenic ter polymers (ABS) grades with improved toughness versus HIPS grades. SD0152 exhibits low shrinkage and good dimensional stability. SD0152 is widely used in general injection molding applications. Use this information as a guide to aid you in selecting the proper resin for your application. Mold shrinkage is around 0.4% -0.6%

Applications: furniture, automotive parts, general injection molding, appliances casing, office supplies.

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	2.4
IZOD IMPACT STRENGTH	KJ/M2	ASTM D-256	23
VICAT SOFTENING POINT(50N LOAD)	°C	ASTM D-1525	99
BULK DENSITY	KG/M3	-	600
TENSILE STRENGTH AT YEILD	KGF/CM2	ASTM D-638	450
TENSILE MODULUS	KGF/CM2	ASTM D-638	21000
ROCKWELL HARDNESS(AT 23°C)	R.SCALE	ASTM D-785	108

*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)