

TABRIZ Petrochemical Company

Acrylonitrile- Butadiene- Styrene (ABS)

SD0140

SD0140 is one of the styrenic ter polymers (ABS) grades with improved toughness versus HIPS grades. SD0140 exhibits high gloss, low shrinkage, and good dimensional stability. SD0140 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	3.2
IZOD IMPACT STRENGTH	KJ/M2	ASTM D-256	23
VICAT SOFTENING POINT(50N LOAD)	°C	ASTM D-1525	97
BULK DENSITY	KG/M3	-	600
TENSILE STRENGTH AT YEILD	KGF/CM2	ASTM D-638	450
ROCKWELL HARDNESS(AT 23°C)	R.SCALE	ASTM D-785	110

*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)



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