SD0140 is one of the styrenic ter polymers (ABS) grades with improved toughness versus HIPS grades.
Features: SD0140 exhibits high gloss, low shrinkage, and good dimensional stability. SD0140 is widely used in general injection molding applications.
Processing Method: injection molding
Application: furniture, automotive parts, general injection molding, appliances casing, office supplies.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (200°C/5KG)	gr/10min	ASTM D-1238	3.2
IZOD IMPACT STRENGTH (NOTCHED) (@23±2°c &HUMIDITY: 50±5%)	Kj/m^2	ASTM D-256	23
VICAT SOFTENING POINT (50N LOAD&50°C/HR)	℃	ASTM D-1525	94
BULK DENSITY	Kg/m^3	ASTM D-1895	600
TENSILE STRENGTH AT YEILD	Kgf/cm^2	ASTM D-638	420
TENSILE STRENGTH AT BREAK	Kgf/cm^2	ASTM D-638	370
ELONGATION AT YEILD	%	ASTM D-638	3
ELONGATION AT BREAK	%	ASTM D-638	38
FLEXURAL STRENGTH AT YIELD	Kgf/cm^2	ASTM D-790	620
FLEXURAL MODULUS	Kgf/cm^2	ASTM D-790	21000
HDT(0.45 MPA &120°C/HR)	℃	ASTM D-648	77
ROCKWELL HARDNESS(AT 23°C)	-	ASTM D-785	110 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.