



**NAME: SD0140**

**Product Description:**

SD0140 is one of the styrenic terpolymer (ABS) grade with improved toughness versus HIPS grades. SD0140 exhibits high gloss, low shrinkage, and good dimensional stability. SD0140 is widely used in general injection molding. Use this information as a guide to aid you in selecting the proper resin for your application.

**Applications:**

Furniture, automotive parts, general injection molding, appliances casing, office supplies.

**Drying:**

Drying prior to processing is recommended in a desiccant dehumidifying 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.

**Typical data: (Table)**

PROPERTY	UNIT	METHOD	VALUE
MELT FLOW INDEX (200°C/5KG)	GR/10MIN	ASTM D-1238	3.2
IZOD IMPACT STRENGTH	KGF.CM/CM	ASTM D-256	23
VICAT SOFTENING POINT(5KGF LOAD)	°C	ASTM D-1525	97
TENSILE STRENGTH AT YEILD	KGF/CM <sup>2</sup>	ASTM D-638(5mm/min)	450
ROCKWELL HARDNESS(AT 23°C)	R.SCALE	ASTM D-785	110