

# TYPICAL DATA SHEET\*

## ACRILONITRILE BUTADIENE STYRENE "ABS"

### HM0560

HM0560 is one of the high modulus resins that have diversity in both manufacturing methods and material characteristics. This grade has high impact and flexural strength, excellent mechanical properties, chemical resistance, mold ability, dimensional stability and paint ability. Mold shrinkage is around 0.4% -0.6%

**Applications:** watches, toys, cassette recorders and etc.

**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	2.5
IZOD IMPACT STRENGTH	KJ/M2	ASTM D-256	13
VICAT SOFTENING POINT(50N LOAD)	°C	ASTM D-1525	107
BULK DENSITY	KG/M3	-	600
TENSILE STRENGTH AT YEILD	KGF/CM2	ASTM D-638	520
ROCKWELL HARDNESS(AT 23°C)	R.SCALE	ASTM D-785	112

\*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests.