

## Technical Data Sheet

### SAN(Styrene Acrylonitrile)

### HSAN 600N A

<b>Features</b>	High heat resistance
<b>Applications</b>	High heat ABS compounding

Physical	Test Method	Value
Density	ASTM D792	1.07 g/cm <sup>3</sup>
Melt Flow Index	(230°C, 3.8kg)	7.0 g/10min
	(200°C, 5.0kg)	1.5 g/10min
Mold Shrinkage	ASTM D955	0.2 ~ 0.6 %
Water absorption	ASTM D570	0.3 %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	650 kg/cm <sup>2</sup> (9,230) (psi)
Elongation	ASTM D638	4.5 %
Flexural Strength	ASTM D790	950 kg/cm <sup>2</sup> (13,490) (psi)
Flexural Modulus	ASTM D790	35,000 kg/cm <sup>2</sup> (497,000) (psi)
Izod Impact Strength(3.2mm)	ASTM D256	1.5 kgcm/cm (0.28) (ft-lb/in)
Rockwell Hardness(M scale)	ASTM D785	88

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm <sup>2</sup> )	ASTM D648	101 °C (214) (°F)
Vicat Softening Temperature(1kg, 50°C/h)	ASTM D1525	117 °C (243) (°F)

Flammability	Test Method	Value
Flame Rating - UL (1.6mm)	UL 94	HB

#### Notes

These are just typical properties, not specifications. Users should confirm results by their own test.

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#### Processing guide

Injection Guide	Unit	Value
Nozzle	°C	220~240
Front	°C	210~230
Middle	°C	200~230
Rear	°C	170~190
Hopper Throat	°C	45
Mold	°C	40~70

Drying	Unit	Value
Temperature	°C	75~85
Time	hr	2~4

#### Notes

These are only mentioned as general guidelines.