

## Technical Data Sheet

### SAN(Styrene Acrylonitrile)

### SAN 340EF

<b>Features</b>	High transparency, High rigid, Blue ice
<b>Applications</b>	Household appliances, Fan, Crisper, Tooth brush handles

Physical	Test Method	Value
Density	ISO 1183	1.07 g/cm <sup>3</sup>
Melt Flow Index	(230°C, 3.8kg) ISO 1133	4.0 g/10min 10.0 g/10min
Mold Shrinkage	ISO 294-4	0.2 ~ 0.6 %
Water absorption	ISO 62	0.3 %

Mechanical	Test Method	Value
Tensile Strength	ISO 527	72 Mpa
Elongation	ISO 527	4.5 %
Flexural Strength	ISO 178	120 MPa
Flexural Modulus	ISO 178	3,400 Mpa
Izod Impact Strength(3.2mm)	ISO 180/1A	2.5 KJ/m <sup>2</sup>
Rockwell Hardness(M scale)	ISO 2039-2	83

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm <sup>2</sup> )	ISO 75-2	93 °C
Vicat Softening Temperature(1kg, 50°C/h)	ISO 306	108 °C

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	190~220
Front	°C	190~210
Middle	°C	180~200
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.