

Technical Data Sheet

SAN(Styrene Acrylonitrile)

SAN 300H

Features High strength, High heat resistance

Applications ABS Compounding

Physical	Test Method	Value
Density	ISO 1183	1.07 g/cm ³
Melt Flow Index	(230°C, 3.8kg)	3.7 g/10min
	(200°C, 5.0kg)	0.9 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	77 Mpa
Elongation	ISO 527	4.5 %
Flexural Strength	ISO 178	100 MPa
Flexural Modulus	ISO 178	3,500 Mpa
Izod Impact Strength(3.2mm)	ISO 180/1A	2.5 KJ/m ²
Rockwell Hardness(M scale)	ISO 2039-2	86

Thermal	Test Method	Value
Heat Deflection Temperature(1.8Mpa)	ISO 75-2	91 °C 196 (°F)
Vicat Softening Temperature(1kg, 50°C/h)	ISO 306	109 °C 228 (°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	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.