

Technical Data Sheet

SAN(Styrene Acrylonitrile)

SAN 300H

Features	High strength
Applications	ABS Compounding

Physical		Test Method	Value
Density		ASTM D792	1.07 g/cm ³
Melt Flow Index	(230°C, 3.8kg)	ASTM D1238	3.7 g/10min
	(200°C, 5.0kg)	ASTM D1238	0.9 g/10min
Mold Shrinkage		ASTM D955	0.2 ~ 0.6 %
Water absorption		ASTM D570	0.3 %

Mechanical		Test Method	Value
Tensile Strength		ASTM D638	780 kg/cm ² (11,076) (psi)
Elongation		ASTM D638	4.5 %
Flexural Strength		ASTM D790	1,050 kg/cm ² (14,910) (psi)
Flexural Modulus		ASTM D790	35,900 kg/cm ² (509,780) (psi)
Izod Impact Strength(3.2mm)		ASTM D256	1.5 kgcm/cm (0.28) (ft-lb/in)
Rockwell Hardness(M scale)		ASTM D785	86

Thermal		Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)		ASTM D648	91 °C (196) (°F)
Vicat Softening Temperature(1kg, 50°C/h)		ASTM D1525	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.