

Technical Data Sheet

SAN(Styrene Acrylonitrile)

SAN 350HM

Features Super high strength, High heat resistance

Applications Electric fan, Electronic parts

Physical		Test Method	Value
Density		ISO 1183	1.07 g/cm ³
Melt Flow Index	(230°C, 3.8kg)	ISO 1133	5.5 g/10min
	(200°C, 5.0kg)		1.3 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	78 Mpa
Elongation		ISO 527	4.5 %
Flexural Strength		ISO 178	100 MPa
Flexural Modulus		ISO 178	3,400 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	94 °C
Vicat Softening Temperature(1kg, 50°C/h)		ISO 306	109 °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.

Technical Data Sheet

SAN(Styrene Acrylonitrile)

SAN 350HM

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.