

Technical Data Sheet

SAN(Styrene Acrylonitrile)

SAN 310TR

Features High transparency, High toughness

Applications Hanger, Mixer, Pitcher

Physical		Test Method	Value
Density		ISO 1183	1.07 g/cm ³
Melt Flow Index	(230°C, 3.8kg)	ISO 1133	10.0 g/10min
	(200°C, 5.0kg)		3.0 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	63 Mpa
Elongation		ISO 527	4.5 %
Flexural Strength		ISO 178	850 MPa
Flexural Modulus		ISO 178	3,200 Mpa
Izod Impact Strength(3.2mm)		ISO 180/1A	2.5 KJ/m ²
Rockwell Hardness(M scale)		ISO 2039-2	83

Thermal		Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)		ISO 75-2	100 °C
Vicat Softening Temperature(1kg, 50°C/h)		ISO 306	107 °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.