

Technical Data Sheet

SAN(Styrene Acrylonitrile)

SAN 310CTR

Features	High transparency, Crystal
Applications	Cosmetic container, Mixer, Transparent container

Physical	Test Method	Value
Density	ISO 1183	1.07 g/cm ³
Melt Flow Index	(230°C, 3.8kg)	20.0 g/10min
	(200°C, 5.0kg)	5.5 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	60 Mpa
Elongation	ISO 527	4.5 %
Flexural Strength	ISO 178	88 MPa
Flexural Modulus	ISO 178	3,300 Mpa
Izod Impact Strength(3.2mm)	ISO 180/1A	2.0 KJ/m ²
Rockwell Hardness(M scale)	ISO 2039-2	82

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ISO 75-2	90 °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.