KUMHO PETROCHEMICAL

beyond the best

Technical Data Sheet

SAN(Styrene Acrylonitrile)
SAN 320N A

Features Super high flow

Applications ABS compounding, ABS/PC compounding

Physical		Test Method	Value
Density		ISO 1183	1.07 g/cm^3
Melt Flow Index	(230℃, 3.8kg)	ISO 1133	40.0 g/10min
	(200℃, 5.0kg)		11.0 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	61 Mpa
Elongation	ISO 527	4.5 %
Flexural Strength	ISO 178	68 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	84

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm^2)	ISO 75-2	92 ℃
Vicat Softening Temperature(1kg, 50℃/h)	ISO 306	107 ℃

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	℃	190~220
Front	℃	190~210
Middle	℃	180~200
Rear	℃	170~190
Hopper Throat	℃	45
Mold	℃	40~70

Drying	Unit	Value
Temperature	℃	75~85
Time	hr	2~4

Notes

These are only mentioned as general guidelines.