KUMHO PETROCHEMICAL

beyond the best

Technical Data Sheet

SAN(Styrene Acrylonitrile)
SAN 326N A

Features High flow

Applications ABS compounding, ABS/PC compounding

Physical		Test Method	Value
Density		ASTM D792	1.07 g/cm^3
Melt Flow Index	(230℃, 3.8kg)	ASTM D1238	21.0 g/10min
	(200℃, 5.0kg)	ASTM D1238	6.0 g/10min
Mold Shrinkage		ASTM D955	0.2 ~ 0.6 %
Water absorption		ASTM D570	0.3 %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	690 kg/cm^2 (9,798) (psi)
Elongation	ASTM D638	4.5 %
Flexural Strength	ASTM D790	950 kg/cm^2 (13,490) (psi)
Flexural Modulus	ASTM D790	34,500 kg/cm^2 (489,900) (psi)
Izod Impact Strength(3.2mm)	ASTM D256	1.5 kgcm/cm (0.28) (ft·lb/in)
Rockwell Hardness(M scale)	ASTM D785	85

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm^2)	ASTM D648	91 ℃ (196) (℉)
Vicat Softening Temperature(1kg, 50℃/h)	ASTM D1525	108 ℃ (226) (℉)

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.