

CN2800

Styrene Acrylonitrile Resin (SAN)

Technical Data Sheet

Revision date: 2024/4/8

Description

CN2800 is a medium flow, transparent AS resin.

It has good hardness, rigidity and chemical resistance, and it is easy to process.

Applications

Wide range of injection molding applications, For example: beakers, trays, cosmetic boxes, etc;

Manufacturing ABS resin;

Parts for household appliances, equipment and automobiles.

Properties

Properties		Test Condition	Test Method	Unit	Typical value
Physical	Density	23°C	internal method	g/cm ³	1.05
	Mold Shrinkage	-	internal method	%	0.2~0.6
	MFR	220°C, 10Kg	GB3682.1-2018	g/10min	34
Mechanical	Tensile yield strength	50mm/min, 4.0mm	GB/T1040.2-2022	MPa	70
	Flexural Strength	2.0mm/min, 4.0mm	GB/T9341-2008	MPa	120
	Flexural Modulus	2.0mm/min, 4.0mm	GB/T9341-2008	MPa	3300
	Charpy Izod Impact Strength	A notch (molding notch), 1.0J	GB/T1043.1-2008	KJ/m ²	3
Others	Transmittance	1.0mm	GB/T2410-2008	%	90
	Vicat softening temperature	B50, 4.0mm	GB/T1633-2000	°C	96
	Flammability rating	1.5mm	UL94	-	HB

Contact Us

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Styrene-Acrylonitrile copolymer (SAN)

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*Note: The above information only represents general information and does not represent the specification value of each product. If you have any questions, please consult our local sales or technical representatives .

Processing Guide (Injection Molding)

Properties		Unit	Value
Drying Temperature		°C	85
Drying Time		Hour	4
Moisture Content		-	0.1%
Melt Temperature		°C	220
Barrel Temperature	Front	°C	210
	Middle	°C	220
	Rear	°C	225
Nozzle Temperature		°C	220
Mold Temperature		°C	-
Back Pressure		MPa	10
Screw Temperature		°C	220

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