

SAN : Injection Molding Grade

▸ Application

Food container, Keys of electric organs, tail reflection light of bicycle, cass

▸ Feature

SAN from LG chemical has excellent heat resistance, chemical resistance, mechanical properties, processibility and transparency. SAN resin is widely used for production of electric/electronic components, automobile components and household articles.

▸ Properties

ALL Metric SI British				
Physical	Method	Condition	Unit	Value
Melt Index	ASTM D1238	200□/5kg	g/10min	2.00
	ASTM D1238	220□/10kg	g/10min	22.00
	ASTM D1238	230□/3.8kg	g/10min	8.00
Specific Gravity	ASTM D792	23□	-	1.08
Mechanical	Method	Condition	Unit	Value
Elongation at Break	ASTM D638	50mm/min	%	9
Flexural Strength	ASTM D790	15□/min	kg/□	1280
Flexural Modulus	ASTM D790	15mm/min	kg/□	37000
IZOD Impact strength	ASTM D256	1/4", 23□	kg·cm/cm	1
	ASTM D256	1/4", -30□	kg·cm/cm	1
Rockwell Hardness	ASTM D785	R-Scale	-	124
Tensile Strength at Yield	ASTM D638	50mm/min	kg/□	760
Tensile Modulus	ASTM D638	50□/min	kg/□	31400
Thermal	Method	Condition	Unit	Value
Heat Deflection Temp	ASTM D648	1/4", 18.5kg/□(unannealed)	°C	91
	ASTM D648	1/4", 18.5kg/□(annealed)	°C	91
	ASTM D648	1/4", 4.6kg/□(unannealed)	°C	99

Vicat Softening Temp	ASTM D1525	5kg,50□/hr	°C	103
Heat Deflection Temp	ASTM D648	1/4",4.6kg/□(annealed)	°C	105

Flammability	Method	Condition	Unit	Value
Flammability	UL94	1/8"	class	HB
	UL94	1/16"	Class	HB



1) The listed values should be used for referential purpose only.

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