

General Purpose SAN, KIBISAN[®]

Properties	Test Method	Test Condition	Unit	PN-107	PN-117	PN-117C	PN-127	PN-127H	PN-137H
Tensile Strength	ASTM D638	1/8", 6 mm/min	Kg/cm ² (lb/in ²)	620 (8800)	710 (10060)	700 (9920)	750 (10630)	800 (11350)	810 (11350)
Tensile Elongation	ASTM D638	1/8", 6 mm/min	%	5.0	5.0	5.0	5.0	5.0	5.0
Flexural Strength	ASTM D790	1/4", 2.8 mm/min	Kg/cm ² (lb/in ²)	900 (12800)	1000 (14200)	960 (13600)	1050 (14900)	1100 (15600)	1250 (17700)
Flexural Modulus	ASTM D790	1/4", 2.8 mm/min	Kg/cm ² (lb/in ²)	35000 (500000)	35000 (500000)	34000 (490000)	37000 (520000)	39000 (550000)	39000 (550000)
IZOD Impact Strength	ASTM D256 (Notched)	1/4", 23°C 1/8", 23°C	Kg-cm/cm (ft-lb/in)	1.7(0.31) 1.8(0.33)	1.7(0.31) 1.8(0.33)	1.7(0.31) 1.8(0.33)	1.8(0.33) 2.0(0.37)	1.9(0.35) 2.2(0.42)	1.9(0.35) 2.2(0.42)
Melt Flow Index	ASTM D1238	200°C, 5Kg	g/10min	3.0	2.8	5.0	1.5	1.5	1.0
Hardness	ASTM D785	1/2"	M Scale	83	83	83	84	85	85
Specific Gravity	ASTM D792	23°C	-	1.06	1.06	1.06	1.06	1.06	1.06
Vicat Softening Temp.	ASTM D1525	1/8", 50°C/hr	°C (°F)	104(219)	104(219)	104(219)	105(221)	107(224)	107(224)
H.D.T Annealed(85°C, 8hr) Unannealed	ASTM D648	1/4", 120°C/hr	°C (°F)	100(212) 90(194)	100(212) 90(194)	100(212) 90(194)	101(214) 92(198)	103(217) 94(201)	103(217) 94(201)
Flammability	UL 94	-	-	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB	1/16"HB

The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere.