

Japan

JIS G 3132

Chemical composition, %

Grade symbol	C	Si	Mn	P	S
SPHT 1	0.10 max	0.35 max	0.50 max	0.040 max	0.040 max
SPHT 2	0.18 max	0.35 max	0.60 max	0.040 max	0.040 max
SPHT 3	0.25 max	0.35 max	0.30 to 0.90	0.040 max	0.040 max
SPHT 4	0.30 max	0.35 max	0.30 to 1.00	0.040 max	0.040 max

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Mechanical Properties

Grade symbol	Tensile strength N/mm ²	Elongation				Tensile test piece	Bendability			
		1.2mm or over to and excl. 1.6mm in thickness	1.6mm or over to and excl. 3.0mm in thickness	3.0mm or over to and excl. 6.0mm in thickness	6.0mm or over up to and incl. 13mm in thickness		Bending angle	Inside radius		Test piece
								3.0mm or under in thickness	Over 3.0mm up to and incl. 13mm in thickness	
SPHT 1	270 min	30 min	32 min	35 min	37 min	No. 5 taken in rolling direction	180 degree	Flat on itself	Thickness x 0.5	No. 3 taken in rolling direction
SPHT 2	340 min	25 min	27 min	30 min	32 min		180 degree	Thickness x 1.0	Thickness x 1.5	
SPHT 3	410 min	20 min	22 min	25 min	27 min		180 degree	Thickness x 1.5	Thickness x 2.0	
SPHT 4	490 min	15 min	18 min	20 min	22 min		180 degree	Thickness x 1.5	Thickness x 2.0	