

## SPCC-SD

### Symbol Quality & Chemical composition

Symbol	Quality	Chemical composition%				
		C	Si	Mn	P	S
SPCC	Commercial Quality	0.12 Max.	-	0.040 Max.	0.045 Max.	0.50 Max.
SPCD	Drawing Quality	0.10 Max.	-	0.035 Max.	0.035 Max.	0.45 Max.
SPCE	Deep Drawing Quality	0.08 Max.	-	0.030 Max.	0.030 Max.	0.40 Max.

### Mechanical Properties

Symbol	Yield Point (N/mm <sup>2</sup> )	Tensile strength (N/mm <sup>2</sup> )	Elongation, %					
	Thickness Under 0.25	Thickness Under 0.25	0.25 ≤ T ≤ 0.40	0.40 ≤ T ≤ 0.60	0.60 ≤ T ≤ 1.00	1.00 ≤ T ≤ 1.60	1.60 ≤ T ≤ 2.50	≥2.50
SPCC	-	(270 Min.)	(32 Min.)	(34 Min.)	(36 Min.)	(37 Min.)	(38 Min.)	(39 Min.)
SPCD	(240 Min.)	270 Min	34 Min.	36 Min.	38 Min.	39 Min.	40 Min.	41 Min.
SPCE	(240 Min.)	270 Min	36 Min.	38 Min.	40 Min.	41 Min.	42 Min.	43 Min.

### Surface Finish, Hardness, Bending

Temper Classification	Specification	Hardness		Bend Test
		HRB	HV	Bend Angle
1/8 Hard	1/8 HARD	50 - 71	95 - 130	180°
1/4 Hard	1/4 HARD	65 - 80	115 - 150	180°
1/2 Hard	1/2 HARD	74 - 89	135 - 185	180°
FULL Hard	FULL HARD	85 Min.	170 Min.	-

Thickness Tolerance

Nominal Thickness	Nominal Width				
	Under 630	630 - 1000	1000 - 1250	1250 - 1600	Above 1600
Under 0.25	±0.03	±0.03	±0.03	-	-
0.25 - 0.40	±0.04	±0.04	±0.04	-	-
0.40 - 0.60	±0.05	±0.05	±0.05	±0.06	-
0.60 - 0.80	±0.06	±0.06	±0.06	±0.07	±0.08
0.80 - 1.00`	±0.07	±0.07	±0.08	±0.09	±0.10
1.00 - 1.25	±0.08	±0.08	±0.09	±0.10	±0.12
1.25 - 1.60	±0.09	±0.10	±0.11	±0.12	±0.14
1.60 - 2.00	±0.10	±0.11	±0.12	±0.14	±0.16
2.00 - 2.50	±0.12	±0.13	±0.14	±0.16	±0.18
2.50 - 3.15	±0.14	±0.15	±0.16	±0.18	±0.20
3.15 and above	±0.16	±0.17	±0.19	±0.20	-