

Class		Symbol	Chemical co		
			C	Si max.	Mn
Class 11	A	STKM 11A	0.12 max.	0.35	0.60 max.
Class 12	A	STKM 12A	0.20 max.	0.35	0.60 max.
	8	STKM 128			
	c	STKM 12C			
Class 13	A	STKM 13A	0.25 max.	0.35	0.30 - 0.90
	8	STKM 138			
	c	STKM 13C			
Class 14	A	STKM 14A	0.30 max.	0.35	0.30 - 1.00
	8	STKM 148			
	c	STKM 14C			
Class 15	A	STKM 15A	0.25 - 0.35	0.35	0.30 - 1.00
	c	STKM 15C			
Class 16	A	STKM 16A	0.35 - 0.45	0.4	0.40 - 1.00
	c	STKM 16C			
Class 17	A	STKM 17A	0.45 - 0.55	0.4	0.40 - 1.00
	c	STKM 17C			
Class 18	A	STKM 18A	0.18 max.	0.55	1.50 max.
	8	STKM 188			
	c	STKM 18C			
Class 1g	A	STKM 19A	0.25 max.	0.55	1.50 max.
	c	STKM 19C			
Class 20	A	STKM 20A	0.25 max.	0.55	1.60 max.

Composition %			Tensile Test		
P max.	S max.	Nb or V	Tensile strength n	Yield strength or	Elongation min. %
					No. 11, 12 test pi
0.04	0.04	-	290	-	35
0.04	0.04	-	340	175	35
			390	275	25
			470	355	20
0.04	0.04	-	370	215	30
			440	305	20
			510	380	15
0.04	0.04	-	410	245	25
			500	355	15
			550	410	15
0.04	0.04	-	470	275	22
			580	430	12
0.04	0.04	-	510	325	20
			620	460	12
0.04	0.04	-	550	345	20
			650	480	10
0.04	0.04	-	440	275	25
			490	315	23
			510	380	15
0.04	0.04	-	490	315	23
			550	410	15
0.04	0.04	1)	540	390	23

	Flattening Test	Bend Test	
6	Distance between	Bend angle	Inside radius (D is
No. 5 test piece t			
30	1/2D	180°	4 D
30	2/3D	90°	6 D
20	2/3D	90°	6 D
15	-	-	-
25	2/3D	90°	6 D
15	3/4D	90°	6 D
10	-	-	-
20	3/4D	90°	6 D
10	7/8D	90°	8 D
10	-	-	-
17	3/4D	90°	6 D
7	-	-	-
15	7/8 D	90°	8 D
7	-	-	-
15	7/8 D	90°	8 D
5	-	-	-
20	7/8 D	90°	6 D
18	7/8 D	90°	8 D
10	-	-	-
18	7/8 D	90°	6 D
10	-	-	-
18	7/8 D	90°	6 D