

Exaton 10SW

Exaton 10SW is a chromium-compensating agglomerated flux giving good slag removal and a fine bead appearance. It is suitable for welding with wire and strip electrodes of the chromium & chromium-nickel and chromium-nickel-molybdenum steel types either with or without niobium. Exaton 10SW is an all round flux which can be used for many applications varying from surfacing continuous caster rolls to large components in chemical plants.

Dane techniczne

Klasyfikacje	EN ISO 14174 : S A CS 2 Cr
Prd spawania	1200 A (Using 60x0.5 mm strip)
Typ ulu	Calcium silicate SiO ₂ -MgO-Al ₂ O ₃ -(CaF ₂)
Gsto	nom: 1.0 kg/l
Wskanik zasadowoci	nom: 1.0

Zuycie topnika

V	Zuycie topnika / 1 kg(2,2 lb) drutu DC+
34 V	0.7 kg
30 V	0.55 kg
26 V	0.4 kg
38 V	0.9 kg

Warunki : Wymiar 4.0 mm , A 580 A , Prdko jazdy 33 m/h

Klasyfikacje

Drut	AWS/EN	AWS - stan po spawaniu
Exaton 19.12.3.L	A5.9:ER316L/ 14343-A:S 19 12 3 L	A5.39: F80A10-ER316L/316L
Exaton 19.12.3.L	A5.9:EQ316L/ 14343-A:B 19 12 3 L	-
Exaton 19.13.4.L	A5.9:EQ317L/ 14343-A:B 19 13 4 L	-
Exaton 19.9.L	A5.9:ER308L/ 14343-A:S 19 9 L	-
Exaton 19.9.L	A5.9:EQ308L/ 14343-A:B 19 9 L	-
Exaton 19.9.LNb	A5.9:EQ347/ 14343-A:B 19 9 Nb	-
Exaton 19.9.Nb	A5.9:ER347/ 14343-A:S 19 9 Nb	-
Exaton 21.13.3.L	A5.9:EQ(309LMo)/ 14343-A:B 21 13 3 L	-
Exaton 22.8.3.L	A5.9:EQ2209/ 14343-A:B 22 9 3 N L	-
Exaton 24.13.L	A5.9:EQ309L/ 14343-A:B 23 12 L	-
Exaton 24.13.LNb	A5.9:EQ?309LNb?/ 14343-A:B 23 12 Nb	-

Dopuszczenia

Drut	VdTÜV
Exaton 19.9.L	•
Exaton 19.9.LNb	•
Exaton 19.9.Nb	•
Exaton 22.8.3.L	•

Typowy skad chemiczny stopiwa %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
Exaton 19.12.3.L (Layer 1 with "24.13.L" & Layer 2 with "19.12.3.L")									
0.02	0.8	0.7	-	-	11.5	19.0	2.2	-	0.06
Exaton 19.13.4.L Layer 1 with "21.13.3.L"									
<=0.04	-	-	-	-	13	18.5	3.3	-	-
Exaton 19.9.L 1st layer with "24.13.L"									
<=0.03	-	-	-	-	10.0	19.7	-	-	-

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Typowy skład chemiczny stopiwa %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
Exaton 19.9.LNb (Layer 1 with "24.13.LNb")									
0.02	0.8	0.6	-	-	10.4	21.0	0.0	-	0.05
Exaton 19.9.Nb Layer 1 with "24.13.LHF" & 2 layers with "19.9.Nb"									
0.04	0.6	1.0	0.01	0.01	9.2	19.0	0.01	0.1	0.06
Exaton 22.8.3.L Layer 1 with "24.13.L" & 2 layers with "22.8.3.L"									
<=0.03	-	-	-	-	8.5	22.7	2.9	-	0.16
Exaton 24.13.L Layer 1 with "24.13.L"									
<=0.07	-	-	-	-	10.5	19.2	-	-	-
Exaton 24.13.LNb									
<=0.06	-	-	-	-	9.7	19.2	-	-	-

Typowy skład chemiczny stopiwa %

Nb	FN WRC-92	Nb+Ta
Exaton 19.12.3.L (Layer 1 with "24.13.L" & Layer 2 with "19.12.3.L")		
0	-	-
Exaton 19.13.4.L Layer 1 with "21.13.3.L"		
-	5	-
Exaton 19.9.L 1st layer with "24.13.L"		
-	8	-
Exaton 19.9.LNb (Layer 1 with "24.13.LNb")		
0.3	-	-
Exaton 19.9.Nb Layer 1 with "24.13.LHF" & 2 layers with "19.9.Nb"		
0.3	-	0.3
Exaton 22.8.3.L Layer 1 with "24.13.L" & 2 layers with "22.8.3.L"		
-	40	-
Exaton 24.13.L Layer 1 with "24.13.L"		
-	6	-
Exaton 24.13.LNb		
-	6	-

Skład drutu %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
Exaton 19.12.3.L									
<=0.020	1.8	0.4	<=0.020	<=0.020	13	18.5	2.9	<=0.3	-
Exaton 19.13.4.L									
<=0.02	1.5	0.4	<=0.020	<=0.020	14	19	3.6	<=0.3	-
Exaton 19.9.L									
<=0.015	1.8	0.35	<=0.015	<=0.015	10	20	<=0.3	<=0.1	-
Exaton 19.9.LNb									
<=0.02	1.8	0.4	<=0.02	<=0.02	10.5	20	<=0.3	<=0.3	-
Exaton 19.9.Nb									
0.04	1.3	0.35	0.012	0.015	9.5	19.5	0.03	0.11	0.06
Exaton 21.13.3.L									
<=0.015	1.8	0.2	<=0.015	<=0.020	13.5	20.5	2.9	<=0.3	-
Exaton 22.8.3.L									
<=0.020	1.6	0.5	<=0.015	<=0.020	9	23	3.1	-	0.15
Exaton 24.13.L									

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Skad drutu %

C	Mn	Si	S	P	Ni	Cr	Mo	Cu	N
<=0.015	1.8	0.35	<=0.015	<=0.015	13	23.5	<=0.3	<=0.1	-
Exaton 24.13.LNb									
<=0.02	2	0.3	<=0.020	<=0.020	12.5	24	<=0.3	<=0.3	-

Skad drutu %

Nb	Co	FN deLong	FN WRC	FN WRC-92	Nb+Ta
Exaton 19.12.3.L					
-	-	-	-	8	-
Exaton 19.13.4.L					
-	-	-	-	7	-
Exaton 19.9.L					
-	-	-	-	12	-
Exaton 19.9.LNb					
0.5	-	-	-	11	-
Exaton 19.9.Nb					
0.6	0.1	5	5	-	0.6
Exaton 21.13.3.L					
-	-	-	-	13	-
Exaton 22.8.3.L					
-	-	-	-	50	-
Exaton 24.13.L					
-	-	-	-	15	-
Exaton 24.13.LNb					
0.75	-	-	-	22	-

Typowe waciwoci mechaniczne

Drut	Warunki	Granica plastycznoci	Wytrzymaao na rozciganie	Wyduenie wzgldne	Udarno KV
Exaton 19.12.3.L	Po spawaniu	420 MPa	580 MPa	32 %	69 J @ 20 °C 60 J @ -40 °C 55 J @ -70 °C 50 J @ -196 °C
Exaton 19.9.L	Po spawaniu	400 MPa	580 MPa	38 %	69 J @ 20 °C 59 J @ -40 °C 40 J @ -196 °C
Exaton 19.9.Nb	Po spawaniu Joining	440 MPa	625 MPa	38 %	72 J @ 20 °C 61 J @ -40 °C 34 J @ -196 °C