

Thermanit MTS 4 - Marathon 543

SAW wire/flux combination, low-alloyed, creep resistant

Classifications	;								
EN ISO 24598-A					AWS A5.23 / SFA-5.23				
S S CrMoWV12 FB					F9PZ-EG-G-H4				
Characteristics	s and typic	cal fields of	applicatio	n					
Thermanit MTS 4 Chromium steel lii Marathon 543 is flux see our detail	ke X20CrMo an agglomei	WV12-1. rated welding f							
Base materials	6								
Similar alloyed cre X20CrMoV12-1	eep resistant	i steels.							
Typical analysi	is								
wt%	С	Si	Mn	Cr	Ni	Мо	W	V	Ν
wire	0.25	0.15	0.9	11.2	0.60	0.90	0.50	0.25	0.30
all-weld metal	0.18	0.20	0.9	11.2	0.60	0.88	0.50	0.22	0.30
Mechanical pro	operties of	f all-weld m	etal - typic	cal values	(min. valu	es)			
Condition		Yield strength R _{p0.2}		Tensile strength R _m		Elongation A ($L_0 = 5d_0$)		Impact energy ISO-V KV J	
		MPa		МРа		%		20°C	
		550		≥ 700		≥ 16		≥ 34	
a1 = 4 hours 760	°C								
Operating data	I								
► <u>†</u> †	Polarity		DC +			Dimensio	Dimension mm		
						2.5			
2						3.0			
						4.0			
Preheating and in	//ling at 80°C	min. 4hrs.	280°C. Heat	Input < 2,0	kJ/mm				
Holding after weld PWHT of 760°C fo	r minimum 2	2 110015.							
	r minimum 2	2 110013.							