

## **CARBO 4351 B**

5,0

5,0

30,6

45,0

20,0

20,0

International Standards		Material No	).	1.4351				
		EN ISO 35	31-A	E 13 4	B 20			
		AWS A 5.4			liMo-15			
		DIN 8555		E5-UN	1-400-KRTZ			
Approvals								
Characterist typical appli	CARBO 4351 B is a basic coated electrode for plating and joining equal and similar ferritic Cr-steels and cast steels. The Alloy is highly suitable for welding on tough, corrosion resistant Continuous-Cast Rolls and also wear parts from the Steel Industry and Large machinery. Apart from corrosion resistance, it also has a further capability in protecting against cavitation and erosion.							
Typical appl	ications	Bridge store; depositions to thick areas of water, steam and gas fittings for operating temperatures to 450° C; rope pouring roles; on alloying buffer layers						
Operating temperature								
Base materials		1.4008 GX8CrNI13 1.4313 X4CrNi13-4 1.4313 GX5CrNi13-4						
Recommenc fabrication	lations for	Preheating and heat treatments as necessary for ferritic Cr-steels are no necessary				els are not		
Mechanical properties of all-weld metal ( typical values)		Tensile strength R <sub>m</sub> N/mm	R	eld strength <sub>p0,2</sub> N/mm <sup>2</sup>	Elongation $A_5 \%$		oact strength SO – V J + 20°C	Hardness HB
		1100		700	15		> 40	ca. 410
Weld metal analysis				Mn Cr		Мо		
(typical, wt %)		0,06 0	),5	0,6 13	4,5 (	0,5		
Current		= + / ~ , 50 V						
Welding positions		PA, PB,						
Rebaking		1 h, 350° C + / - 10° C (if necessary)						
Dia./Length	Dia./Length Amperage (A		acket	Pcs./cartor	kg/1000	)	kg/packet	kg/carton
2,5 x 300	40 - 80			1060	15,2		4,0	16,0
	05 440			070			= 0	<u> </u>

4,0 x 350 Rev.001/12

3,2 x 350

65 - 110

100 - 140

Statements on composition and application are just for the applier's information. Statements on mechanical properties always refer to the all-weld-metal according to valid standards. Carbo-Weld may change the characteristics of its products without notice. We recommend the applier to check our products for their special application autonomously.

673

444

164

111