

Exaton 16.5.1

Exaton 16.5.1 is a filler material for joining EN 1.4418 and similar steels; it is also used for overlay welding. The weld metal has excellent resistance to cavitation and is used typically for shafts, propellers, pumps and valves in for example, hydro power generation. It is used for SAW welding paired with Exaton Flux 15W.

技术参数

分类	EN ISO 14343-A : S 16 5 1
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合金类型

Austenitic/Martensitic/Ferritic – 16% Cr – 5% Ni – 1% Mo – Low C
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典型拉伸性能

条件	屈服强度	抗拉强度	延伸率
PWHT 4 hour(s) 590 ° C	470 MPa	850 MPa	22 %

夏比V型缺口冲击性能

条件	测试温度	冲击值
PWHT	20 ° C	80 J

焊丝成分

C	Mn	Si	S	P	Ni	Cr	Mo	V	Al
0.01	1.4	0.3	0.009	0.015	5.5	16.2	1.0	0.04	0.006

焊丝成分

Cu	N	Nb	Ti	Co
0.01	0.02	0.01	0.01	0.03