Exaton 19.12.3.L CRYO

Exaton 19.12.3.L CRYO is a filler material for joining austenitic stainless steels, e.g. ASTM 316, 316L, as well as 304, 304L, for cryogenic applications and meets the requirements of ASME Section VIII, Division 1, UHA 51 ((a) (4) (-a) (-1)) and others. It is used for service temperatures down to -196ºC, and ferritic or martensitic stainless steels, with maximum 19% Cr. The grade has been specifically developed for welding in cryogenic applications, typically: manufacturing of dewars, containers, tanks, cryostats, and transfer systems for transportation and storage of LNG, LPG and liquid nitrogen. The chemical composition is optimized for cryogenic applications in terms of impact strength and other characteristics. It has controlled chemical composition and ferrite content for resistance to microfissuring, and balanced minor additions of certain elements for optimum arc stability and wetting characteristics. Impurity levels are lower in the consumable in order to reduce the risk of hot cracking and to obtain the best arc stability, fluidity, low spatter and wetting properties.

Specifiche	
Classificazioni	EN ISO 14343-A : S (19 12 3 L) SFA/AWS A5.9 : ER316L Werkstoffnummer : ~1.4430 EN ISO 14343-B : SS316L
Omologazioni	CE : EN 13479 UKCA : EN 13479

Le approvazioni si basano sulla posizione della fabbrica. Si prega di contattare ESAB per ulteriori informazioni.

Typical Wire Composition %									
C	**Mn**	**Si**	**S**	**P**	**Ni**	**Cr**	**Mo**	**Al**	**Cu**
0.02	1.8	0.4	0.003	0.012	13.3	18.5	2.3	0.01	0.06

Typical Wire Composition %				
N	**Nb**	**Ti**	**Co**	**FN WRC-92**
0.06	0.01	0.005	0.03	2