

Solid wire, high-alloyed, nickel-base

Oleccification	-														
Classifications															
EN ISO 18274 E Ni 6052 (NiCr30Fe9)							AWS A5.14 / SFA-5.14 ENiCrFe-7								
	Characteristics and typical fields of application														
Solid wire of S Ni 6052 (NiCr30Fe9) / ERNiCrFe-7 type for joining matching and similar steels, surfacing with low-alloyed and stainless steels. Particularly suited for the conditions in nuclear fabrication. High resistance to stress corrosion cracking in oxidizing acids and water at high temperatures.															
Base materials															
2.4642 NiCr29Fe UNS N06690 Alloy 690															
Typical analys	is														
	C Si		Si	Mn		Cr		Ni		Мо	Со		Fe		
wt%	0.03	0.03 0.		0.3		29		Bal.		0.1	<	< 0.1	9.0		
Mechanical properties of all-weld metal - typical values (min. values)															
Condition		Yield strength R <sub>p0.2</sub>		Tensile st		strengt	strength R <sub>m</sub>		Elongation A (L <sub>0</sub> =5d <sub>0</sub> )		Impact energy ISO-V KV J				
		MPa			MPa				%		20°C				
u 350				600			35			80					
u untreated, as-welded – shielding gas Ar + 30% He + 0.5% $CO_2$															
Operating data															
<u> </u>	Polarity			DC+					Dimension mm						
<b>★</b>	Shielding gas (EN ISO 14175)			l1 Ar + 30% He + 0.5% CO2			02		1.2						
To minimize the r be low and there temperature max For MIG welding: For automatic TIG	must be :. 100°C. I Polarity: I	as littl Vo pre DC+. S	e dilution as p heating or pos Shielding gas:	ossible f st-weld f Ar + 309	from the neat trea % He + (	parent tment n 0.5% C0	metal. S leeded f D <sub>2</sub> and p	lugge or ma ulsed	ested heat atching all	input is max. 1 oys.	.5	kJ/mm and i			

## Approvals

utp

by voestalpine

All information provided is based upon careful investigation and intensive research. However, we do not assume any liability for correctness and information is subject to change without notice.