

UTP 6222 Mo

Basic coated NiCrMo electrode

Product features	User benefits
» Heat resistance up to 1000°C	» Safe use in high-temperature service
» Excellent corrosion resistance	» Extended service life in extreme conditions
» Low temperature toughness	» Reliable in cryogenic conditions
» Exceptional resistance to thermal fatigue and cracking	» Superior weld quality and safety
» Multi-material compatibility	» High versatility for fabrication & repair
» Strong mechanical properties	» Durable, ductile welds
» Basic coating	» Reduces contamination of weld metal and the cracking tendency
» Approved by TÜV, DNV, ABS, BV	» Compliance with international standards for use in critical industries

UTP 6222 Mo is a basic coated NiCrMo electrode designed for high-performance joining and surfacing applications on nickel-based alloys, austenitic steels, low-temperature nickel steels, and dissimilar joints. UTP 6222 Mo is widely used in industries requiring high corrosion and temperature resistance, as well as mechanical performance.



Typical applications

- » Chemical & Petrochemical Industry: pressure vessels, heat exchangers
- » Oil & Gas Industry: clad pipes
- » Marine & Shipbuilding industry: seawater equipment
- » General industrial and multi-material applications

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Classifications				
EN ISO 14172	AWS A5.11	Welding positions	Polarity	Approvals
E Ni 6625 (NiCr22Mo9Nb)	ENiCrMo-3		DC+	TÜV (03610), DNV, ABS, BV

Typical chemical composition in wt-%							
C	Si	Mn	Cr	Ni	Mo	Nb	Fe
0.03	0.4	0.6	22.0	bal.	9.0	3.3	<1

Mechanical properties					
Condition	Yield strength $R_{p0.2}$	Tensile strength R_m	Elongation A	Impact strength K_v in J	
	MPa	MPa	%	J	-196°C
as welded	>450	>760	>30	>75	>45

Dimension [mm]	Current A
2.5 x 300	50 – 65
3.2 x 350	70 – 95
4.0 x 350	90 – 120
5.0 x 400	120 – 160

Packaging				
Metallic tins	Dimension Diameter x Length	Weight in kg	Pieces (approx.)	Item number
	2.5 x 300 mm	4.1	247	66203
	3.2 x 350 mm	5	157	85033
	4.0 x 350 mm	4.9	101	80116

Other dimensions or packaging available on request