

TECHNICAL DATA

DELORO™ 45 ALLOY

DELORO™ NICKEL-BASED ALLOYS exhibit excellent corrosion, abrasion, and wear-resistance (up to 600°C), and have a wide melting range allowing them especially to be applied by the spray & fuse and powder welding processes.

DELORO™ 45 is a versatile hardfacing alloy with good wear and abrasion resistance and with acceptable impact resistance. Deloro™ 45 is machinable, and produces hard dense corrosion resistant coatings with superior fusing characteristics. Good corrosion resistance and hot hardness up to approximately 400°C. Many often used to protect glass forming plungers.

NOMINAL CHEMICAL COMPOSITION (MASS%)

ALLOY	Ni	Cr	C	Si	B	Fe	Others
Deloro™ 45	Bal.	9,0	0,35	3,7	1,9	2,5	-

PHYSICAL PROPERTIES

ALLOY	Hardness	Density	Melting Range
Deloro™ 45	42 - 47 HRC	Not available	Not available

PRODUCT FORMS

Consumables for Cladding / Hardfacing				
Powder	PTA Cladding	Laser Cladding	Powder Welding	Spray & Fuse

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