

TECHNIWELDUSA

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TYPICAL MATERIAL TEST REPORT

ITEM CLASSIFICATION	
ALLOY	SPECIFICATION
PTS-2553	AWS A5.9
APPLICATIONS	
Used for welding super duplex stainless steel grades.	

TYPICAL CHEMICAL COMPOSITION						
ELEMENT	C	Si	Mn	Cr		
AVERAGE	0.02	0.4	1.23	25.53		

ELEMENT	Ni	Mo	Cu	N		
AVERAGE	9.52	3.73	0.8	0.21		

TYPICAL MECHANICAL PROPERTIES			
	Tensile Strength	Yield strength	Elongation
	(N/mm ²)	(N/mm ²)	%
	110,000 psi	86,000 psi	28%