

Brand name | Avesta® 153 MA

Trade name | Alloy 153 MA

Material No.	EN Designation	UNS	Alloy
1.4818	X6CrNiSiNc19-10	S30415	153 MA

Description | Alloy 153 MA / 1.4818 is a heat resistant austenitic chromium-nickel-stainless steel.

Special properties | Resistant to scaling up to 1000°C. Low resistance to oxidizing sulphuric gases.

C %	Si ≤ %	Cr %	Ni %	N %
≤ 0.05	1.30	17.5-19.5	8.5-10.5	≤ 0.15

Hardness HB 30 ≤ HB	0.2% Yield strength R _p ≥ N/mm ²	Tensile strength R _m N/mm ²	Elongation A ₅ ≥ %	Resistant on air up to °C
210	290	600-800	40	1000
Modulus of elasticity kN/mm ²				
200				

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
7.8	500	15	0.84

Suitable welding filler materials | 1.4835

Application | Furnace and apparatus engineering

Available forms for 1.4818 / ALLOY 153 MA

