

Brand name | Avesta® 353 MA

Trade name | Alloy 353 MA

Material No.	EN Designation	UNS	Alloy
1.4854	X6NiCrSiNCe35-25	S35315	353 MA

Description | Alloy 353 MA / 1.4854 is an austenitic and heat resistant steel.

Special properties | Good creep rupture strength. Very good resistance to high-corrosion. Resistant to scaling up to 1100°C.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
≤ 0.07	≤ 1.30	1.50	0.04	0.015
Cr %	Ni %	N %	Ce %	
24.0-26.0	34.0-36.0	≤ 0.17	0.03-0.08	

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
152	300	650-800	40	1100
Modulus of elasticity kN/mm ²				
190				

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
7.9	480	11	1

Suitable welding filler materials | 1.4854

Application | Heat treatment furnaces

Available forms for 1.4854 / ALLOY 353 MA

