

Brand name | RA 333®

Trade name | Alloy 333

Material No.	EN Designation	UNS	Alloy
2.4608	NiCr26MoW	N06333	333

Description | Alloy 333 / 2.4608 is a nickel-chromium-iron alloy in addition with molybdenum, cobalt, tungsten and silicium.

Special properties | Excellent resistance against oxidation, carburization and thermal shock. Outstanding high temperature strength up to 1000°C.

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
0.03-0.08	0.70-1.50	2.00	0.03	0.015
Cr %	Mo %	Ni %	Cu %	Co %
24.0-26.0	2.50-4.00	44.0-47.0	≤ 0.50	2.50-4.00
Fe %	W %			
Rest	2.50-4.00			

0.2% Yield strength $R_p$ ≥ N/mm <sup>2</sup>	Tensile strength $R_m$ N/mm <sup>2</sup>	Elongation $A_5$ ≥ %	Modulus of elasticity kN/mm <sup>2</sup>
240	≥ 550	30	201

Density g/cm <sup>3</sup>	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm <sup>2</sup> /m
8.2	441	11.1	1.14

Suitable welding filler materials | 2.4608

Application | Dampers, refractory anchors, refinery flare tips

Available forms for 2.4608 / ALLOY 333

