

A Guide to High-Temperature Characteristics

	Strength and Stability	Oxidation Resistance	Carburization Resistance	Sulfidation Resistance	Nitriding Resistance	Carbonitriding Resistance	Resistance to Molten Salts
INCONEL® Alloy 600	✱	✱	✱	–	✱	✱	✱
INCONEL® Alloy 601	✱	✱	✱	✱	◇	◇	✱
INCONEL® Alloy 601GC	✱	✱	✱	✱	◇	◇	✱
INCONEL® Alloy 617	✱	✱	✱	✱	✱	✱	✱
INCONEL® Alloy 625	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy 625CF	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy 690	✱	✱	✱	✱	◇	◇	✱
INCONEL® Alloy 718	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy X-750	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy X-751	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy MA754	✱	✱	✱	◇	✱	✱	✱
INCONEL® Alloy MA 758	✱	✱	✱	✱	✱	✱	✱
INCONEL® Alloy HX	✱	✱	✱	◇	✱	◇	◇
INCOLOY® Alloy 330	◇	✱	✱	✱	◇	◇	◇
INCOLOY® Alloy 800	✱	✱	✱	✱	◇	◇	◇
INCOLOY® Alloy 800H	✱	✱	✱	✱	◇	◇	◇
INCOLOY® Alloy 800HT	✱	✱	✱	✱	◇	◇	◇
INCOLOY® Alloy 803	✱	✱	✱	✱	–	–	◇
INCOLOY® Alloy 840	✱	✱	✱	◇	◇	◇	◇
INCOLOY® Alloy 864	✱	✱	✱	◇	◇	◇	◇
INCOLOY® Alloy MA956	✱	✱	✱	✱	✱	✱	◇
INCOLOY® Alloy A-286	✱	✱	◇	◇	◇	◇	◇
INCOLOY® Alloy DS	✱	✱	✱	✱	✱	✱	◇
NIMONIC® Alloy 75	✱	✱	✱	◇	✱	✱	✱
NIMONIC® Alloy 80A	✱	✱	✱	◇	✱	✱	✱
NIMONIC® Alloy 90	✱	✱	✱	◇	✱	✱	✱

✱ = good to excellent

◇ = acceptable

– = not suitable