

RELIABLE PIPES & TUBES LTD.

GOVT. OF INDIA RECOGNIZED EXPORT HOUSE
OHSAS 18001:2007 CERTIFIED ISO 14001:2004 CERTIFIED
ISO 9001:2008 CERTIFIED PED CERT NO 01 202 IND/Q-11-0033

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MONEL® R-405 - UNS N04405

Chemical Composition, %

Ni	Cu	Fe	S	Mn	C	Si
63.0 min	28.0-34.0	2.5 max	.025-.060	2.0 max	.3 max	.5 max

Mechanical Properties

Nominal Mechanical Property Range of Monel Alloy R-405 Rod and Bar

Condition	Tensile (ksi)	.2% Yield (ksi)	Elongation %	Hardness Brinell (3000 kg)	Hardness Rockwell B
Annealed	70-85	25-40	50-35	110-140	60-76
Hot-Finished	75-90	35-60	45-30	130-170	72-86
Cold-Drawn, As-Drawn	85-115	50-105	35-15	160-245	85-23C