Nickelvac® L-605 Nickel Superalloy, Heat Treatment: 1204°C (2200°F) Anneal

Subcategory: Cobalt Base; Metal; Nickel Base; Superalloy

Key Words: Allvac, an Allegheny Teledyne Company, UNS R30605; AMS 5759. ASTM F 90

Component	Wt. %
C	0.1
Co	53
Cr	20
Fe	0.5
Mn	1.7
Ni	10
W	15

Material Notes:

Nickel content calculated as remainder. Data provided by Allvac.

Applications: High temperature applications, jet engine components, devices in high fatigue service.

Physical Properties	Metric	English	Comments
Density	9.22 g/cc	0.333 lb/in³	
Mechanical Properties			
Hardness, Rockwell B	80	80	
Tensile Strength, Ultimate	1035 MPa	150000 psi	
Tensile Strength, Yield	414 MPa	60000 psi	0.2% Offset
Elongation at Break	60 %	60 %	
Reduction of Area	40 %	40 %	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error.