

LOW EXPANSION ALLOYS

MP35N

TYPICAL NOMINAL CHEMISTRY

NICKEL (NI)	35
CHROMIUM (CR)	20
COBALT (CO)	35
MOLYBDENUM (MO)	10

MP35N TYPICAL TENSILE STRENGTH

ANNEALED	800 – 1000 N/MM ²
¼ HARD	1400 – 1900 N/mm ²
½ HARD	1900 – 2200 N/mm ²
HARD	

TYPICAL LINEAR COEFFICIENT OF THERMAL EXPANSION

12.8 μ M/M °C AT 21 – 93 °C

HEAT TREATMENTS

Spring Temper – Age at 650 °C – 4 Hrs – A/C

DENSITY (G/CM ³)	8.43
MELTING POINT (°C)	1440
RIGIDITY MODULUS	80.7 Kn/mm ²
YOUNGS MODULUS	234 Kn/mm ²



APPROX SERVICE TEMPERATURES	-200 to +315°C
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