Chemical Composition for En24

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| **Chemical Elements** | **SPECIFIED VALUE AS PER ASTM A 105** |
| Carbon ( C ) % | 0.36-0.44 % |
| Manganese ( Mn ) % | 0.45 -0.70 % |
| Silicon ( Si ) % | 0.10-0.40 % |
| Sulfur ( S ) % | 0.040 % (Max) |
| Phosphorus ( P ) % | 0.035 % (Max) |
| Chromium ( Cr ) % | 1.00-1.40 % |
| Nickel ( Ni ) % | 1.30-1.70 % |
| Molybdenum ( Mo ) % | 0.20-0.35 % |

Mechanical/Physical Properties for ASTM A 105

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| **Mechanical/Physical Properties** | **SPECIFIED VALUE AS PER ASTM A105** |
| Tensile strength | 485 Mpa ( Minimum ) |
| Yield strength | 250 Mpa ( Minimum ) |
| Elongation in 2 inches. or 50 mm, min, %: Basic minimum elongation for walls 5⁄16 inch. [7.9 mm] and over in thickness, strip tests. | 30% ( Minimum ) |
| When standard round 2-in. or 50-mm gage length or smaller proportionally sized specimen with the gage length equal to 4D is used | 22% ( Minimum ) |

Any question in your mind, visit Galpokar and ask any question.