

| Alloys Name | | INCONEL690 | |
|---|---|-----------------------------|-----------------------------|
| UNS Number | N06690 | Density(g/cm ³) | 8,19 |
| Chemical Composition(%) | Carbon | 0.05 max | |
| | Chromium | 27 - 31 | |
| | Copper | 0.5 max | |
| | Iron | 7 - 11 | |
| | Manganese | 0.5 max | |
| | Nickel | Balance | |
| | Silicon | 0.5 max | |
| | Sulphur | 0.015 max | |
| Mechanical Property(Normal Temperature) | | | |
| Condition | Tensile Strength 100psi(Mpa) | Yield Strength 100psi(Mpa) | Hardness Brinell (Rockwell) |
| Annealed | 100(690) | 55(379) | 184(B-90) |
| Specification | Nicrofer 6030(tm) ASTM B167 DIN 2,4642 UNS N06690 | | |
| Description/Applications | * A high-chromium modification of INCONEL alloy 600, Used for various applications involving nitric or nitric/hydrofluoric acid solutions, tail-gas reheaters in production of nitric acid and steam-heating coils in nitric/HF solutions for pickling stainless steels; reprocessing of nuclear fuels, | | |