

SPECIFICATIONS

European Standards:

- 55CrNiMoV5

COMPOSITION

Carbon.....	0.55
Chromium.....	1.00
Nickel.....	0.50
Molybdenum.....	0.40
Vanadium.....	0.03

APPLICATIONS

- Plastic pressing moulds (not recommended where chemical graining is carried out)
- Miscellaneous tools not exposed to high stresses, working under pressure

CHARACTERISTICS

- Very good wear resistance.
- Excellent machinability at this level of hardness (around 400 HB).
- Good polishing qualities.

HEAT TREATMENT

- Ready heat treated: Brinell hardness approximately 400, (equivalent UTS approximately 1400/N/mm²).

PHYSICAL PROPERTIES

- Density: 7.8
- Mean coefficient of expansion in m/m.°C:
 - between 20°C and 100°C: 10.2×10^{-6}
 - between 20°C and 200°C: 11.6×10^{-6}
 - between 20°C and 300°C: 12.3×10^{-6}

Contact:

www.aubertduval.com

The data provided in this document represent typical or average values rather than maximum or minimum guaranteed values. The applications indicated for the grades described are given as guidance only in order to help the reader in his personal assessment. Please note that these do not constitute a guarantee whether implicit or explicit as to whether the grade selected is suited to specific requirements. Aubert & Duval's liability shall not under any circumstances extend to product selection or to the consequences of that selection.