meusburger

| MATERIAL NO.: | | | | 1.2738 TSHH | | | | |
|---|--|--|-------------------------------------|---|-------------|----------|-------|--|
| DESIGNATION: DIN: AFNOR: UNI: AISI: | Special alloy - - | | | TECHNICAL TIP: >> Uniform hardness over the entire cross section >> Improved weldability | | | | |
| INDICATORY ANALYSIS: | C 0.26 Mn 1.45 Cr 1.25 Mo 0.50 Ni 1.05 V 0.12 | | | >>> Higher toughness than 1.2738 | | | | |
| STRENGTH: | 33 - 38 HRC (≈ 1050 - 1200 N/mm²) | | | | | | | |
| THERMAL CONDUCTIVITY AT 250°C: | 41.3 W m K | | | | | | | |
| COEFFICIENT OF THERMAL EXPANSION [10°/K] | 100°C 10.8 | 200°C 11.5 | 300°C 12.2 | 400°C 13.1 | 500°C | 600°C | 700°C | |
| CHARACTER: | » Modified, pre-toughened steel for injection moulds, which is characterised by good polishability and excellent grainability; high thermal conductivity and wear resistance | | | | | | | |
| APPLICATION: | » Cavity plates without dimension restrictions, with deep cavities and high core loads | | | | | | | |
| TREATMENT BY: | >> Polishing, etching, EDM, nitriding: highly suitable>> Hard chrome plating: is possible | | | | | | | |
| HEAT TREATMENT: | Already pre-toughened; usually no heat treatment required | | | | | | | |
| | slow contr max. 245 » Hardening 880 °C keep curir cooling in obtainable » Tempering slow heati | our per 25 m rolled cooling HB g: ng temperatu hot bath/oil/ e hardness: 5 g: ng to temper | re for 15 to compresse to HRC | e furnace | | rdening; | | |
| TEMPERING CHART: | minimum | unie in luiffa | ce. i iioui | per 20 mm par | LUIICKIIESS | | | |

TEMPERING CHART:

