



Copyright Thermocompact 2018

- 
- |                             |                                      |
|-----------------------------|--------------------------------------|
| 1. General specifications   | 4. Patents                           |
| 2. Detailed characteristics | 5. Tests and comparison performances |
| 3. Usage recommended        | 6. Commercial and productivity gains |
- 

## 1. GENERAL PRODUCT SPECIFICATIONS

**THERMO TEX**® replaces X wire, and is fully compatible with its technologies, keeping all the machine parameters.

## 2. DETAILED WIRE CHARACTERISTICS

CORE:	Copper
COATING:	Alloy CuZn (phase bêta) et CuZn (phase gamma)
DIAMETER TOLERANCE:	-2 µm maxi
OVALISATION:	2 µm maxi
TENSILE STRENGTH:	450 N/mm <sup>2</sup>
YIELD STRENGTH:	350 N/mm <sup>2</sup>
ELONGATION:	1%
CONDUCTIBILITY:	70% IACS

## 3. USAGE RECOMMENDED

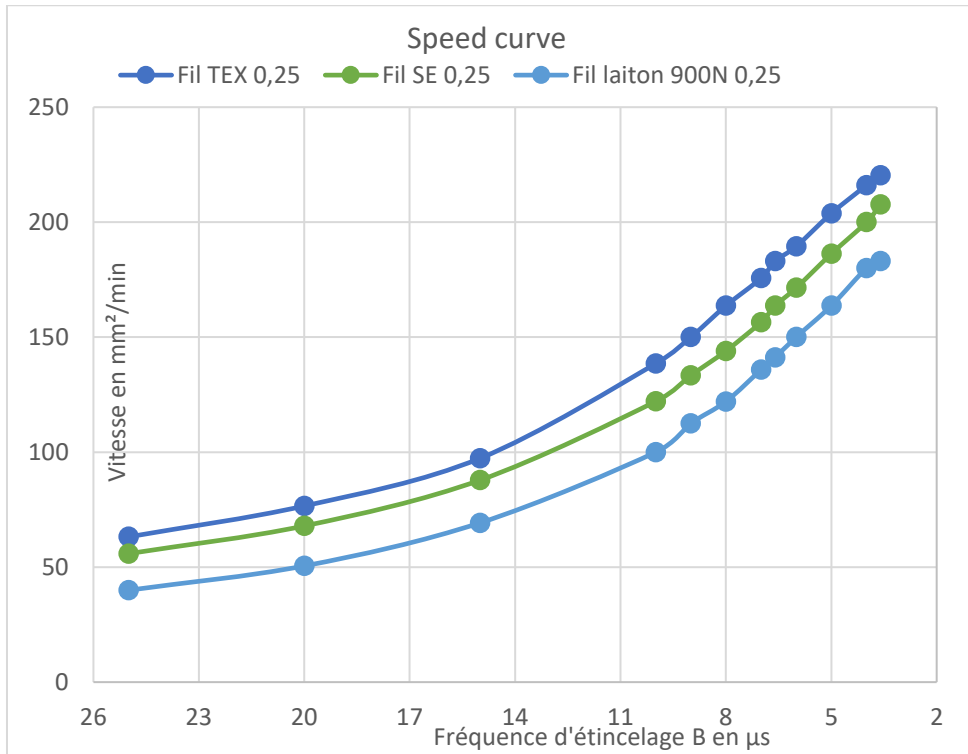
- USE ON MACHINE:** GFMS AgieCharmilles and ONA
- USAGE RECOMMENDED:** Wide range of standard applications in the field of molds, dies and tools, general mechanics.
- MATERIAL:** Steel – copper – tungsten carbide – aluminium – nickel – titanium – PCD – Graphite

## 4. PATENTS

EP 1 009 574	CA 2 302 202	US 5 945 010
EP 1 846 189	TW i391197	CN ZL2006 80004564,6
US 8 378 247	IN 262 000	JP 5 069 134
KR 10-1 653 551		

Manufactured in Europe by Thermocompact.

5. TESTS AND COMPARISON PERFORMANCES - Realized by Thermocompact R&D Department.



- Testing conditions :**
- Wire diameter : 0,25mm
  - Steel material h= 60 mm
  - 1 main cut
  - **GFMS Agie Charmilles Robofil 240CC**
  - **Technology : XS25**
  - Nozzles position: plated.

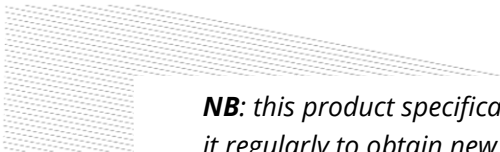
○ Very high cutting speed for **Thermo TEX®** : it can go up to 220 mm²/min

6. COMMERCIAL AND PRODUCTIVITY GAINS / AVAILABILITY

**Thermo TEX** proven benefits :

- ⇒ Very high speed in rough cut
- ⇒ Competitive advantage secured by patents

AVAILABILITY		K100	T125	T160	T200	K250	K355	JP5
0,25 mm 0,010"	25 TEX		▪	▪	▪	▪	▪	▪
0,30 mm 0,012"	30 TEX		▪	▪	▪	▪	▪	▪



**NB:** this product specification sheet is upgraded on a regular basis, please check it regularly to obtain new tests and comparison performances.