

Eifeler Coatings Technology VARIANTIC® TiAlCN PVD Coating

Category : Ceramic , Nitride , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

Key Characteristics: low friction, good oxidation resistance
Primary Applications: coating for a wide range of carbide, cermet and high speed steel tools; machining of all types of steel under dry as well as wet machining conditions; drawing, stamping, punching, forming tools for processing of high and low alloy steel, orthopedic instrumentation
Information provided by Eifeler Coatings Technology

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eifeler-Coatings-Technology-VARIANTIC-TiAlCN-PVD-Coating.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------------|--------------------|----------|
| Thickness | 2.00 - 4.00 microns | 0.0787 - 0.157 mil | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------|-------------|------------|
| Vickers Microhardness | 3000 - 4000 | 3000 - 4000 | |
| Coefficient of Friction | 0.20 | 0.20 | dry, steel |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------|---------|----------|
| Maximum Service Temperature, Air | 800 °C | 1470 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|----------|----------|
| Color | old rose | |

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