

TiN Titanium Nitride-based coating

TECHNICAL SPECIFICATIONS

ACRONYM:	TiN
HARDNESS in HV 0.05:	≈ 2 500
DEPOSITION TEMPERATURE in C°:	< 450
MAXIMUM OPERATING TEMPERATURE in C°:	≈ 550
COEFFICIENT OF FRICTION:	0,65 / 0,70
THICKNESS IN μm:	2 / 3



MAIN FEATURES

Monolayer
 Universal coating
 Good combination of hardness and toughness
 Good adhesion
 Biocompatibility
 Chemical inertness



FIELDS OF APPLICATION

Cutting tools
 Gear cutting tools
 Molds for deformation
 Blanking
 Components
 Biomedical

