

MpC_2

(Multipurpose Coating)



Coating Properties

Coating Material	based on (Ti,Al)N
Microhardness	3.400 HV _{0,05}
Maximum Operating Temperature	> 1.100 °C
Coefficient of Friction against Steel (dry)	0,3 - 0,4
Coating Thickness at Cutting Edge	3 µm
Coating Architecture	nano lamellar

All specifications are subject to the respective testing and application conditions.

Applications:

- + Hard machining ≥ 60 HRC
- + Titanium and nickel-based alloys
- + Alloyed steels
- + High-strength steels
- + Tool steels
- + Stainless steels
- + Cast iron (GG) / Spheroidal graphite cast iron (GGG)

Benefits:

- + Streamlined processes and reduced variant complexity through a multifunctional coating
- + Versatile tool applications enabled by targeted microalloying
- + Adaptive layer behavior through nano-lamellar layer architecture
- + High wear and abrasion resistance
- + Excellent temperature resistance

