



MICROKOTE[®] X

Description: Printing doctor blade

Application: A great choice in certain applications when extreme wear resistance is needed. This is a product with an alloyed tool steel base combined with the coating, for example suitable for abrasive and metallic inks.



Features

Base steel quality	Remelted tool steel
Base steel nominal carbon content (wt.%)	0.5
Base steel nominal chromium content (wt.%)	4.0
Special alloying elements in base steel, nominal:	
Molybdenum (wt.%)	1.5
Tungsten (wt.%)	2.0
Base steel microstructure	Tempered martensite with an extra high amount of very small well distributed carbides
Base steel nominal tensile strength (N/mm²)	2200
Base steel nominal hardness (HV)	670
Coating	Nickel / ceramic composite
Coating thickness (µm)	10 - 14
Coating nominal hardness (planar HV)	630
Edge profile	Lamella/Bevel/Radius edge
Standard packaging	100 m coils in reinforced carton box +4 m for jointed coils