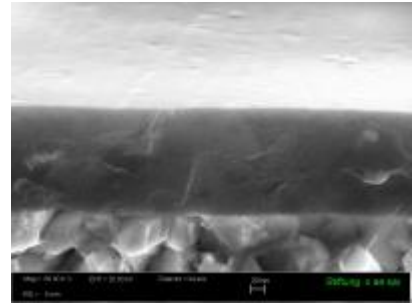


STech-A

Properties	Values
Hardness	1500 HV
Elastic Modulus	140 GPa
Coating Thickness	1-3 μm
Friction Coefficient	< 0,3
Op. Temperature	500 °C
Color	transparent (light interference colors)



Key Features

- Low surface energy
- Easy-to-clean
- Anti-stick
- Anti-reflective
- Good abrasion resistance
- Corrosion-inhibiting
- Chemically resistant
- Extremely smooth surface
- dense, compact, amorphous layer structure

Application Examples

- Increased productivity through reduced cleaning and maintenance effort for chemically stressed or lightly mechanically stressed components in the food industry (e.g., residue-free release of confectionery from molds)
- Enhanced anti-stick performance in mechanical engineering (e.g., anti-scale effect in cooling systems)
- Improved scratch resistance and easier cleaning of kitchen accessories (e.g., sinks, knives, spatulas, etc.)
- Improved efficiency of optical components and absorbers due to excellent anti-reflective properties
- Protection against corrosive attack, e.g., in plastics processing