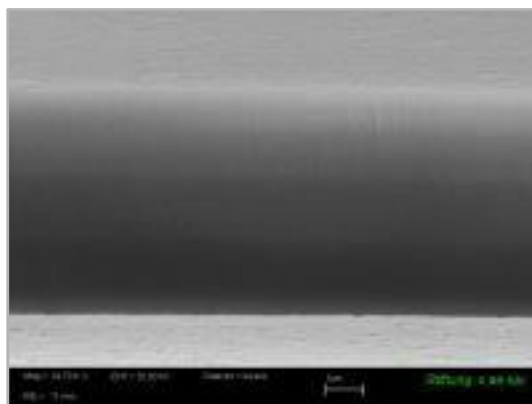


DC99 DII®



Properties	Values
Hardness	1500 HV
Elastic Modulus	160 GPa
Coating Thickness	1 - 5 µm
Friction Coefficient	< 0,2
Op. Temperature	500 °C
Color	Interference color
Properties	a-C:H:X

Key Features

- + Low surface energy
- + Easy-to-clean
- + Anti-stick / anti-scale effect
- + Reduced tendency to adhere
- + Scratch-resistant
- + Corrosion-inhibiting
- + Chemically resistant
- + Biocompatible & food-safe (LFBG, FDA compliant)
- + Very smooth surface
- + Dense, compact, and amorphous layer structure

Application Examples:

- + Increased productivity through reduced cleaning and maintenance effort for mechanically stressed components in the food industry (e.g., meat processing machines)
- + Scratch and anti-stick protection at high temperatures in the food industry (e.g., baking molds and trays, frying pans)
- + Prevention of sticking on rollers in the printing industry (e.g., embossing rollers)
- + Extended service life and improved quality with reduced cleaning effort for forming tools (e.g., aluminium die casting, plastic injection molding, hot runner systems)
- + Longer component lifecycles and improved reliability through significant reduction of solid deposits (e.g., compressor components, functional parts in fluid technology)
- + Simplified and less aggressive cleaning of heat-transferring system parts contaminated by media ingredients (e.g., heating elements, heat exchangers)

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