

Technical Data Sheet – Non-stick coating K 10102

(conducting, for ROEDURTHERM E-300 AS-HT, AS-C and AS-I)

Description:

K10102 is a tribologically effective coating based on PTFE. The part is thermally or chemically degreased prior to coating. In order to increase the coating bond to subsurface, sandblasting is recommended. After coating the surface of the part is very smooth, feels hard and has a color. K10102 is characterized by a good wear resistance and was developed especially for high-temperature applications. The product can be applied to plastic and/or all metallic surfaces.

Physical Properties

Color:	Black
Layer thickness:	20 – 30µm
Recommended operating temperature:	Long-term -40 to 260°C
Food authorization:	No, manufactured acc. to EG 2023/2006
Electrostatic discharge capacity:	< 10 ⁸ Ohm
Anti-sticking properties:	Low
Chemical resistance:	Resistant against water, several mineral oils
Abrasion resistance:	Conditionally resistant
Pencil hardness acc. to DIN EN 13523-4:	HB
Water contact angle:	85
Dynamic sliding friction coefficient:	0,14
Adhesion acc. to DIN EN ISO 2409:	GT0
Mandril bending test DIN EN ISO 1519:	2,5

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Typical Application Areas:

Soldering frames, soldering masks, coating frames

Application oriented pilot tests are strictly necessary!

All technical data are based on supplier's data and own examinations and experiences. They are not binding and do not oblige us to any guarantee. They are exclusively intended as information for technicians and application engineers at own risk.

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