



DL coat PLASTIT®

Process description:

DL Coat PLASTIT®:

This is a low-temperature DLC coating applied by means of the PACVD method. This coat has been developed for wear protection and for minimisation of friction.

Industries using this process:

→ Injection moulding of plastics, mechanical engineering, chemical industry, precision components, etc.

Materials:

→ Low-temperature annealed steels (> 200°C)
→ Tool steels
→ Aluminium

Main features:

→ Anthracite coloured coat
→ Water-repellent
→ Electrically insulating
→ a-C:H:Si layer

Major use and purpose of the process:

→ Wear protection
→ Minimisation of friction
→ Inserts of plastic moulds
→ Decorative coats

Coat thickness:

→ ~2 µm

Coat hardness:

→ ~2.000 HV

Maximum component dimensions:

→ Suitable for small component up to max. 100 mm
x 200 mm x 400 mm

Throughput duration:

→ See list of deadlines

Process duration:

→ Depends on the coat thickness

Possible preparation treatment of the surfaces for optimum surface condition:

→ Metal blank surface
→ No corrosion
→ Micro-blasting
→ Free of grease, oil, processing agents or drawing and casting skins
→ Polishing
→ Annealing
→ Clean cooling channels
→ No strain hardening through e.g. mechanical processing



DL coat PLASTIT®

Required information:

- Material
- Definition of the area to be nitrided
- Indication of the installation surfaces (they will not be coated)
- Previous heat treatment processes

If you wish for a consultation and recommendations, we would need the following information:

- Application area of the component
- Purpose of the coating
- Previous and further process steps
- Are we allowed to perform micro blasting?

Important:

- Installation surfaces are not treated

Contact:

RÜBIG Sales department
+43 (0) 7242 / 660 60
ht.vertrieb@rubig.com

RÜBIG DRIVING
SUCCESS