



Dymon-iC

Dymon-iC is a new improved DLC (diamond-like carbon) coating developed by Teer Coatings. Dymon-iC coatings are insulating carbon based coatings which have a combination of high adhesion, low friction and high wear resistance.

Properties

- 2 to 2.5 microns thick
- friction coefficient between 0.03 and 0.1 depending upon the load and operating conditions
- hardness 1200 to 1500 VHN
- translucent black colour
- maximum operating temperature 450°C

Coating deposition capabilities

- one system dedicated to Dymon-iC
- coating chamber capacity 450mm diameter, 600mm high
- maximum temperature reached during deposition: 250°C

Applications

- dies and die blocks (including CD dies)
- tapping, reaming, drilling
- electronics industry - assembly applications
- automotive applications, protection of engine parts
- decorative applications
- moulding, punching
- reduction of pick up and galling with soft materials (Al, Cu, Ti)
- motorsport
- aerospace
- turner bars for the production of fibrous sanitary and baby wear
- optical moulding dies
- prevention of solder pick up

