



TechCoat-DLA is a proprietary Diamond Like Alloy coating series utilizing the latest coating technology to provide an extremely effective solution for high wear, high friction and surface roughness problems.

User Benefits

- **Very Low Coefficient of Friction**
- **High Mechanical Hardness**
- **Chemical Inertness**
- **Optical Transparency**
- **Reduces Additional Processes**
- **Environmentally Friendly Technology**
- **Reduction or Elimination of Lubricants**
- **Low Process Temperature for Sensitive Parts**
- **High Wear Protection**



Industries & Applications

Aerospace: Turbine Blisks

Automotive: Camshafts, Lifters, Valve Seats, Wrist-Pins

Medical: Joint Components

Optics: Mold cavities

Injection Molding: Cores and Pins

Aluminum Die Casting / Extrusion: Cores and Pins

Properties

Coating Thickness

Hardness

Coefficient of Friction (Pin on Disc)

Surface Roughness

Color

Maximum use Temperature

Value

.00004"-.0002" (1-5 μ m)

2600 Hv

0.1

Ra~0.03 μ m, Rz~0.2 μ m

Dark Gray

750 F

Ship To:

2200 East First Street
Dayton, OH 45403



TECHMETALS, INC.

Solving your problems with our solutions

Phone: 937-253-5311

Fax: 937-253-5096

www.techmetals.com

Mail To:

P.O. Box 1266
Dayton, OH 45401