



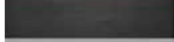


PVD COATING

PHYSICAL VAPOR DEPOSITION COATING

The surface treatment technology for enhancement of wear performance.
 Thai Parkerizing Co.,Ltd aims a top company of surface Technology to obtain high product performance.
 TP assists customers to create high performance surface.

Characteristics

- » Improve wear resistance / Fatigue resistance / Corrosion resistance / Heat resistance
- » Treated under low temperature (below 500 °C) Effect to low risk to distortion
- » Can apply to many material such as steel, stainless steel, cast iron

	≥ 1	1800 - 3500 *	600 - 800
	≥ 1	1800 - 2300 *	500
	≥ 1	2000 - 3000 *	500
	≥ 1	1600 - 2000 *	650 - 800
	≤ 0.8	3000 - 3500 **	200 - 300

*Micro-Vickers Hardness
 **Nano Indentation Hardness

Product Type : Part Applications

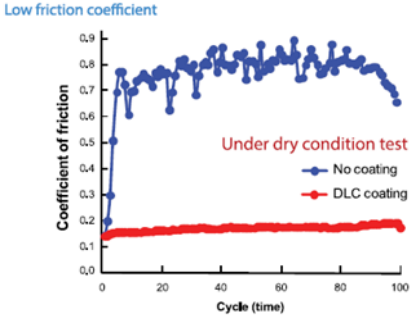
- » **TiN** : Die, Mold, Cutting tool
- » **TiCN** : Die, Mold, Cutting tool, Punch, Sliding Part
- » **CrN** : Forging mold, Rubber forming mold
- » **DLC** : Sliding part, Cutting tool, Mold for Aluminium
- » **TiAlN** : Die, Mold, Cutting tool



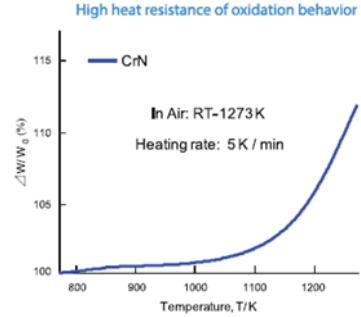
Technical Data

Performance testing result

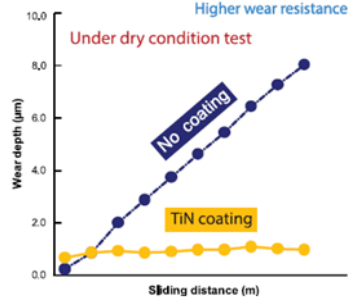
Friction coefficient



Heat resistance



Wear resistance



Laboratory test

- » Calo compact tester
- » Micro-Vickers hardness tester
- » Rockwell hardness tester
- » Revetest scratch tester
- » Stylus roughness
- » Laser microscope
- » Friction and wear test

