

## Inhance Fluoro-Seal INHANCE<sup>®</sup> Ti-9100 Titanium Carbide Polymer Alloy

Category : Ceramic , Carbide , Other Engineering Material , Additive/Filler for Polymer

### Material Notes:

**Product Description:** INHANCE Ti-9100 polymer alloy consists of spherically shaped titanium carbide micro grains coated with a thin layer of a proprietary coupling agent. This product was designed for alloying with various polymer materials. When incorporated in polymers, unique grades of high-performance polymeric composites are formed that have exceptional abrasion-resistance and wear performance. Frequently these composites have abrasion resistance greater than metal, as well as being light weight, non-corroding, and electrically non-conductive. **Applications:** Ideal applications include machinery parts and mechanical components for severe-service mechanical or chemical environments, where repair/replacement of worn parts is very costly because of down time, and where optimal performance is needed. Examples include pump impellers, valve seats, piston rings, gears, seal rings, bearings, liners, wearplates, guide-rails, as well as cable (protective jacketing), steel replacement parts, and high performance coatings. Information provided by Inhance/Fluoro-Seal, Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_inhance-Fluoro-Seal-INHANCE-Ti-9100-Titanium-Carbide-Polymer-Alloy.php](http://www.lookpolymers.com/polymer_inhance-Fluoro-Seal-INHANCE-Ti-9100-Titanium-Carbide-Polymer-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	4.82 g/cc	4.82 g/cc	
Bulk Density	1.10 - 1.20 g/cc	0.0397 - 0.0434 lb/in <sup>3</sup>	
Particle Size	1.2 - 1.4 $\mu$ m	1.2 - 1.4 $\mu$ m	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	3400	3400	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China