

## Inhance Fluoro-Seal INHANCE<sup>®</sup> Ti-9000 Titanium Carbide

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

### Material Notes:

**Product Description:** INHANCE Ti-9000 consists of spherically shaped titanium carbide micro grains. This product is used to make other INHANCE polymer alloys. 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, noncorroding, 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 coating. Information provided by Inhance/Fluoro-Seal, Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Inhance-Fluoro-Seal-INHANCE-Ti-9000-Titanium-Carbide.php](http://www.lookpolymers.com/polymer_Inhance-Fluoro-Seal-INHANCE-Ti-9000-Titanium-Carbide.php)

Physical Properties	Metric	English	Comments
Specific Gravity	4.90 - 5.00 g/cc	4.90 - 5.00 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 Åµm	1.2 - 1.4 Åµm	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	3400	3400	

## Contact Songhan Plastic Technology Co.,Ltd.

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