

BryCoat WS2 Tungsten Disulfide Coating

Category : Ceramic , Sulfide/Chalcogenide , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

WS2's unique, extensively modified lamellar composition of tungsten disulfide results in a high performance dry coating lubricant. A pressurized air application processes impinges a dry metallic coating without heat, binders, or adhesives. The lubricant coating bonds instantly to any metal or resin substrate with a thickness of 0.5 μm (0.020 mil). Benefits and Capabilities of WS2: Solves problems such as friction, excessive wear, seizing, galling, and fretting. Overcomes or reduces mechanical lubrication problems, improving performance and service life. Maintains the dimensional integrity of the substrate to within 0.5 μm with no build-up. Withstands up to 300,000 psi (>2000 MPa) or load capacity of substrate. Offers 100% lubricity throughout its texture. Inert, non-toxic, non-distortive, non-corrosive, and resistant to most fuels and solvents. Information provided by BryCoat, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BryCoat-WS2-Tungsten-Disulfide-Coating.php

Physical Properties	Metric	English	Comments
Density	7.40 g/cc	0.267 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	30	30	
Coefficient of Friction, Dynamic	0.030	0.030	
Coefficient of Friction, Static	0.070	0.070	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	650 °C	1200 °F	in normal atmosphere
Maximum Service Temperature, Inert	1316 °C	2401 °F	from -188°C to 1316°C at 10 ⁻¹⁴ Torr
Minimum Service Temperature, Air	-273 °C	-459 °F	in normal atmosphere

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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