

# WHITE-GRAPHITE PAG FG-220

## SYNTHETIC PAG BASED WHITE-GRAPHITE OVEN CHAIN LUBRICANT

# **TECHNICAL DATA**

<u>DESCRIPTION</u>: FOOD GRADE (ISO 220) 100% Fully Synthetic Formulated Polyalkylene Glycol base carrier fortified with suspended solid white-graphite that provides excellent lubrication up to 1200°F. NSF H1 registered for incidental contact with food in and around food processing areas.

WHITE-GRAPHITE PAG FG-220 is a food grade polyalkylene glycol based synthetic chain oil fortified with suspended solid white-graphite that is designed for use on chains where excellent thermal stability and reduced deposits formation is desired. The fully synthetic PAG based carrier (non-vegetable based) minimizes carbon build-up on chains contributed by mineral petroleum/vegetable carriers and will cleanly evaporate after 520°F while the solid White-Graphite<sup>TM</sup> film provides extended lubrication intervals for temperatures up to 1200°F (650°C).

### **CHARACTERISTICS:**

- NSF H-1 registered and meets all the requirements of FDA regulations 21 CFR 178.3750
- Contains only H-1 food grade components
- Superior load and wear properties
- Excellent oxidative and thermal stability
- Reduced sludge and deposit formation
- Good water and rust resistance
- Carrier has a flash point of 525°F (271°C)
- Extended Lubrication up to 1200°F Plus (650°C)
- Chains can be lubricated continuously during production hours. No need to turn ovens off for lubrication which is typically found with graphite lubricant products. Eliminates oven flash fires.

<u>I KOLEKTIES.</u>		
Property	Test Method	Typical Specification
ISO GRADE	ASTM D 445	220
Pounds Per Gallon @25°C	ASTM D-1298	8.26 lbs./gallon
Viscosity, cSt @ 40°C (104°F)	ASTM D 445	220
Viscosity, cSt @ 100°C (212°F)	ASTM D 445	27.2
Viscosity Index	ASTM D 2270	C143
Flash Point, ºC (ºF)	ASTM D 92	271°C (520°F)
Pour Point, <sup>o</sup> C (°F)	ASTM D 97	-20°C (-4°F)



# A division of:

ORDAN THERMAL PRODUCTS LTD. Oven, Proofer & Cooler Chain Synthetic Lubricants 21 Amber St # 9, Markham, Ontario, L3R 4Z3 Canada Tel: (905) 475-9292 Fax: (905) 475-3286 www.OrdanThermal.com

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### **PROPERTIES:**

#### WHITE-GRAPHITE PAG FG-220 HIGH TEMPERATURE SYTHETIC OVEN CHAIN LUBRICANT

PAGE 2

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Test Method	Typical Specification	
ASTM D 4172	0.30	
ASTM D 4172	0.38	
ASTM D 4172	0.48	
ASTM D-2595	46%	
	68%	
	78%	
	82%	
	84%	
	86%	
	87%	
	87.48%	
QL 4099	Milky White Liquid	
D1298	0.95	
	H1	
	Test Method   ASTM D 4172   Image: Astronomy of the state s	

### **APPLICATIONS:**

**Bakery Oven Chains** Roller Ball Bearing Chains on Oven Conveyors Pin/Roller Chains on Tunnel & Tray Ovens **Tenter Frame Oven Chains** Paint Oven Chains Wood Laminating Oven Chains

**Fiberglass Production Cement Plants** Kiln Car Wheel Bearings & Support Rollers **Beverage Can Lines** Lithographic Chains **Drying Ovens** 



#### **STORAGE & HANDLING PRACTICES:**

Warehouse in unopened containers at ambient conditions. Under these conditions, storage life is practically indefinite. For information on the safe handling and use of this product, refer to the Material Safety Data Sheet.

For more information and availability, call (866) 273-9292.



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