

FUNCTIONAL CERAMAX

Ceramic Extreme Pressure Grease Additive

APPLICATION:

FUNCTIONAL Ceramax uses an optimized bimodal particle size distribution to provide an efficient and economical product for use in heavy industrial and food processing grease. Ceramax provides lubrication and metal to metal protection under extreme loads and temperatures. Ceramax can be used in a wide variety of grease applications where high load and extreme pressure is experienced, replacing graphite, MoS₂ or PTFE.

COMPOSITION:

Ceramax is a non-toxic, non-conductive, and non-hazardous white boron nitride powder.

Typical properties	
Appearance	White powder
Odor	Odorless
Purity	>98.5%

- **Clean white non-conductive powder**
 - **Industrial greases**
 - **Food Processing greases**
 - **Coatings and dry film additive**

TREATMENT LEVEL:

Ceramax can be used effectively at treatment levels as low as 1% in grease.

HANDLING:

Any convenient technique may be used for blending. Safe handling precautions are the same as those to be taken with other nuisance powders; see the current Material Safety Data Sheet.

This Technical Data Sheet and the Material Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.

7/12/2011

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Four Ball EP Test Results

	<u>Wear Scar 40kg (mm)</u>	<u>Extreme Pressure Weld (kg)</u>
Lithium Complex Base Grease	1.060	126
Lithium Complex / 1% Graphite	0.855	160
Lithium Complex / 1% MoS2	0.805	250
Lithium Complex / 1% PTFE	0.890	200
Lithium Complex / 1% Ceramax	0.760	250

In a Lithium Complex Grade 2 grease Ceramax displayed the lowest wear scar out of all the solid additives.

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