GerardKluyskens Co., Inc

Ultra Lox M Polishing Powders

Ultra Lox M Polishing Powders: Are the premium high purity, agglomerate free polishing powders, designed for final polishing stages of most optical and electronic materials

TECHICAL BULLETIN

Properties
Standard purity of 99.99%

Ultra Lox M Alumina are derived from calcinations of high purity alum in precisely controlled electric furnaces. Unlike lapping and polishing alumina, ULTRA LOX M agglomerate free alumina are jet milled to maintain high purity and prevent extraneous material from contaminating the powders as can occur in traditional ball milling operations
Each lot of alumina is thoroughly blended to maintain consistent quality.

Product Name	UltraLox M 0.05 µ	UltraLox M 0.1 µ	UltraLox M 0.3 µ	UltraLox M 1.0 µ
Product Code	M100	M30	M15	M5
Quality class	Agglo-merate free	Agglo-merate free	Agglo-merate free	Agglo-merate free
Particle Size In µ	0.05	0.1	0.3	1.0
Average Agglomerate Size	< 1	< 1	< 1	<1
% Surface Area m^5/g	100 (±5)	30 (±1)	15 (±1)	5 (±1)
Major Phase	Gamma	Transitio n phase	Alpha	Alpha
Hardness, Mohs	8	9	9	9

Ultra Lox M Alumina perfect for most infrared materials, stainless steel, non-ferrous and exotic metals, electro-optic and laser crystals, ophthalmic lenses and devices and many more applications, requiring surface finishes approaching a few Angstroms RMS.
For infrared optics, Ultra Lox M and Ultra Sol 200A are ideal combination for Superior finishes on Germanium, Gallium Arsenide, Zinc Selenide, etc.

Application

- *Agglomerate free polishing powders designed for the final polishing stages of most optical and electronic materials*
- *Materials that are successfully polished include Germanium, Silicon Nickel, Aluminum, Ferrites, Quartz Silica, GGG, BBO, YAG, Lithium Niobate, Alexandrite, CaF2, MgF2, III_V and II-VI materials, plastics, epoxies, etc.*
- *Superior finish for infrared optics*

Date: 01 / 08/ 08

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