



# Ultra Lox R Polishing Powders

**Ultra Lox R Polishing Powders:** Are the un-milled precursors of the type M powders

## TECHICAL BULLETIN

### Properties

Standard purity of 99.99%

Ultra Lox R Alumina are the un-mulled precursors of the type M powders. These standard types high purity alumina have been used for many years in metallurgical polishing, less stringent optical polishing or whenever a totally scratch free surface is not indicated. They have been identified by the industry designation of: B (0.05), A (0.3) and C (1.0) Alumina

Ultra Lox R are characterized by their Ability to break down during polishing Operations to promote very nicely polished surfaces, but with surface roughness coarser than Ultra Lox M alumina products

Product Name	UltraLox R 0.05 µ	UltraLox R 0.1 µ	UltraLox R 0.3 µ	UltraLox R 1.0 µ
Product Code	R100	R30	R15	R5
Quality class	Standard	Standard	Standard	Standard
Particle Size In µ	0.05	0.1	0.3	1.0
Average Agglomerate Size	< 5	< 10	< 15	<20
% Surface Area m <sup>5</sup> /g	100 (±5)	30 (±1)	15 (±1)	5 (±1)
Major Phase	Gamma	Transition phase	Alpha	Alpha
Hardness, Mohs	8	9	9	9

### Application

- *Used for many years in metallurgical polishing*
- *For polishing less critical optical applications*
- *Breaks down of the particles to supply nice surface quality*

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