

## Astro Met AmAlOx 87 Alumina - Aluminum Oxide

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

General Description:AmAlOx 87 alumina (Astro Met Aluminum Oxide) is a 99.95% alumina ceramic manufactured by Astro Met for specialty applications which require a higher purity of alumina than found in commercial grades of 99.5% and 99.8% alumina. AmAlOx 87 alumina is especially cost effective for applications, which need the unique combination of high purity, high strength, high density and small grain size in one material.AmAlOx 87 alumina, originally developed for critical load bearing medical implants, has an unusually small grain size for an alumina ceramic, this enables extremely tight tolerances and surface finishes of 2 microinches Ra to be achieved when proper finishing techniques are used.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Astro-Met-AmAlOx-87-Alumina-Aluminum-Oxide.php](http://www.lookpolymers.com/polymer_Astro-Met-AmAlOx-87-Alumina-Aluminum-Oxide.php)

Physical Properties	Metric	English	Comments
Bulk Density	3.97 g/cc	0.143 lb/in <sup>3</sup>	
Particle Size	2.0 μm	2.0 μm	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	2000	2000	
Flexural Strength	482 MPa	69900 psi	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	99.95 %	99.95 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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