

## Zircar Ceramics HC Sapphire (Single Crystal Aluminum Oxide) Hangar Clip

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

ZIRCAR hanger clips are comprised of sapphire (single crystal aluminum oxide) and are designed for use with hanger rod (HR-1). The single crystal structure of these clips prevents creep and deformation of this critical component in ZIRCAR furnace insulation systems. The ultra high purity aluminum oxide content and superior creep resistance of these hanger clips make them ideal for use as the principal support member in high temperature furnace roof insulation systems operating as high as 1830°C (3326°F). Information provided by Zircar Ceramics.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zircar-Ceramics-HC-Sapphire-Single-Crystal-Aluminum-Oxide-Hangar-Clip.php](http://www.lookpolymers.com/polymer_Zircar-Ceramics-HC-Sapphire-Single-Crystal-Aluminum-Oxide-Hangar-Clip.php)

Physical Properties	Metric	English	Comments
Density	3.98 g/cc	0.144 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	9.0	9.0	
Tensile Strength	300 - 400 MPa	43500 - 58000 psi	
Modulus of Elasticity	380 GPa	55100 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	2053 °C	3727 °F	

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	>= 99.999 %	>= 99.999 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China