

CeramTec 977 Zirconia Toughened Alumina (ZTA), Al₂O₃•ZrO₂

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

977 is a zirconia toughened alumina ceramic designed for use in ballistic protection and ceramic armor.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CeramTec-977-Zirconia-Toughened-Alumina-ZTA-Al2O3ZrO2.php

Physical Properties	Metric	English	Comments
Density	4.07 g/cc	0.147 lb/in ³	
Particle Size	2.0 - 3.0 μm	2.0 - 3.0 μm	Median Grain (d50)

Mechanical Properties	Metric	English	Comments
Vickers Microhardness	1550	1550	HV 0.5kg
Flexural Strength	469 MPa	68000 psi	
Fracture Toughness	4.40 MPa-m ^{1/2}	4.00 ksi-in ^{1/2}	K1c

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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