

MarkeTech Dermagrain 1200 Microcrystalline Alumina for Microdermabrasion

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Used for microdermabrasion. Dermagrain is a specially graded high purity micro crystalline aluminum oxide made from Bayer process alumina which results in final product purity of 99.55%. It has been fused at nearly 4000Å°F to make an extremely stable material with the identical crystal structure of sapphire. Aluminum oxide is completely inert and pH neutral. Components made from aluminum oxide are approved for use by the FDA as prosthetic and dental implants. After fusion the material is processed to form grains with blocky, sharp edges to enhance abrasive properties. It is then graded into a tightly controlled particle size distribution. Close examination under a microscope will show that the individual particles are clear grains of sapphire and will sparkle like diamond under reflected light. Because they are clear and absorb light, the grains appear slightly off white in color. Dermagrain 1200 has a D50 (median) particle diameter of 100 microns. Data provided by the supplier, MarkeTech International.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MarkeTech-Dermagrain-1200-Microcrystalline-Alumina-for-Microdermabrasion.php

Physical Properties	Metric	English	Comments
Density	3.95 g/cc	0.143 lb/in ³	
Apparent Bulk Density	1.64 - 1.72 g/cc	0.0592 - 0.0621 lb/in ³	

Mechanical Properties	Metric	English	Comments
Knoop Microhardness	2000	2000	Knoop 100 Hardness
Hardness, Mohs	9.0	9.0	

Thermal Properties	Metric	English	Comments
Melting Point	2022 Å°C	3672 Å°F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	99.55 %	99.55 %	
Alkalis	0.30 %	0.30 %	
CaO	0.030 %	0.030 %	
Fe ₂ O ₃	0.040 %	0.040 %	
MgO	0.020 %	0.020 %	
SiO ₂	0.050 %	0.050 %	
TiO ₂	0.010 %	0.010 %	

Descriptive Properties	Value	Comments
Color	Off White	

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