Ceradyne Ceralloy® 137 CB AlN Composite

Category : Ceramic , Nitride

Material Notes:

Applications: replacement for Ceralloy® 2710 BeO-SiCterminationssever wedgesload pelletsabsorbersFeatures: higher thermal conductivity then Ceraloy® BeO-SiC at temperatures greater then 150°C, close match in electrical properties.Information provided by Ceradyne Company

Order this product through the following link:
http://www.lookpolymers.com/polymer_Ceradyne-Ceralloy-137-CB-AlN-Composite.php

Physical Properties	Metric	English	Comments
Density	2.99 g/cc	0.108 lb/in³	

Thermal Properties	Metric	English	Comments
CTE, linear	5.00 µm/m-°C @Temperature 20.0 - 1000 °C	2.78 µin/in-°F @Temperature 68.0 - 1830 °F	
Thermal Conductivity	95.0 - 105 W/m-K	659 - 729 BTU-in/hr-ft²-°F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	28 @Frequency 1e+10 Hz	28 @Frequency 1e+10 Hz	
	30 @Frequency 8.00e+9 Hz	30 @Frequency 8.00e+9 Hz	
	40 @Frequency 1e+9 Hz	40 @Frequency 1e+9 Hz	
Dissipation Factor	0.15 @Frequency 1e+9 Hz	0.15 @Frequency 1e+9 Hz	
	0.30 @Frequency 8.00e+9 Hz	0.30 @Frequency 8.00e+9 Hz	
	0.30 @Frequency 1e+10 Hz	0.30 @Frequency 1e+10 Hz	

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