

Advanced Ceramics ACL 2089 Cordierite

Category : Ceramic , Glass , Glass Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Cordierite glass-ceramic has good thermal shock properties and is suitable for heat resistant components which undergo rapid thermal cycling. Information provided by Advanced Ceramics Limited (ACL)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Advanced-Ceramics-ACL-2089-Cordierite.php

Physical Properties	Metric	English	Comments
Density	1.80 g/cc	0.0650 lb/in ³	
Water Absorption	15 %	15 %	Porosity

Mechanical Properties	Metric	English	Comments
Flexural Strength	60.0 MPa	8700 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	1.60 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	0.889 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 - 520 $^\circ\text{C}$	@Temperature 68.0 - 968 $^\circ\text{F}$	
Thermal Conductivity	2.00 W/m-K	13.9 BTU-in/hr-ft ² - $^\circ\text{F}$	
Maximum Service Temperature, Air	1100 $^\circ\text{C}$	2010 $^\circ\text{F}$	No Load Condition

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