

## McDanel Advanced Ceramics AP 35 99% Alumina

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Information provided by McDanel Advanced Ceramic Technologies

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_McDanel-Advanced-Ceramics-AP-35-99-Alumina.php](http://www.lookpolymers.com/polymer_McDanel-Advanced-Ceramics-AP-35-99-Alumina.php)

Physical Properties	Metric	English	Comments
Bulk Density	3.83 g/cc	0.138 lb/in <sup>3</sup>	
Porosity	0.00 %	0.00 %	

Mechanical Properties	Metric	English	Comments
Flexural Strength	345 MPa	50000 psi	
	205 MPa	29700 psi	
	@Temperature 538 Â°C	@Temperature 1000 Â°F	
Compressive Strength	2550 MPa	370000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	8.40 Âµm/m-Â°C	4.67 Âµin/in-Â°F	
	@Temperature 20.0 - 1000 Â°C	@Temperature 68.0 - 1830 Â°F	
Thermal Conductivity	29.0 W/m-K	201 BTU-in/hr-ftÂ²-Â°F	
	7.20 W/m-K	50.0 BTU-in/hr-ftÂ²-Â°F	
	@Temperature 800 Â°C	@Temperature 1470 Â°F	
Maximum Service Temperature, Air	1750 Â°C	3180 Â°F	no load

Component Elements Properties	Metric	English	Comments
Al2O3	99 %	99 %	
CaO	0.030 %	0.030 %	
Fe2O3	0.070 %	0.070 %	
MgO	0.070 %	0.070 %	
Na2O	0.050 %	0.050 %	

Component Elements Properties	Metric	English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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