

Data sheet

Densit[®] Aluminium Oxide Ceramic

The basic material for Densit[®] Aluminium Oxide Ceramic is extreme pure synthetic (Alpha) aluminium oxide. Today the best solution concerning wear protection and material costs, is aluminium oxide ceramic with a purity of 92%.

Advantages of Densit[®] Aluminium Oxide Ceramic

- Manufacture of extreme thin parts
- Extremely smooth surface
- High hardness and high process temperature possible
- High acid resistance



Technical data

PROPERTY		Densit [®] Aluminium Oxide Ceramic
Bulk density	g/cm ³	3,4-3,65
Porosity	%	0
Hardness to Mohs	-	-9
Compressive strength	MPa	> 3000
Flexural strength	MPa	240-> 300
Coefficient of expansion	1/K	6-8x10 ⁻⁶
Thermal conductivity	W/mK	20-22
Max. operating temperature	°C	1.550

Please contact ITW Densit or the nearest distributor for further information.



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