

ALUMINUM OXIDE SPHERES (AL₂O₃)

Panadyne offers custom Aluminum Oxide spheres. The Aluminum Oxide spheres have excellent mechanical properties and are often used as grinding media in a variety of mills. The spheres have high compressive strength and scuff-resistance. Spheres are offered in a 92% & 99% purity to serve both grinding and packing applications. Aluminum Oxide Sphere are available in typical sizing ranging from 2mm to 25mm. Please contact us for more information.

TYPICAL ANALYSIS 90- 92%	
Bulk Denisty	3600 kg/m ³
Bulk Denisty	3.60 g/cc
Apparent Porosity	0%
Flexural Strength	334.4 MPa
Elastic Modulus	190.0 GPa
Compressive Strength	1461.7 MPa
Vicker's Hardness	1136 VNM
Fracture Toughness	3.3 MPa/M ²
Packing Density	2232 kg/m ³

TYPICAL API	PLICATIONS
Grinding	Milling
Filtration	Packing



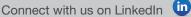
TYPICAL PROPERTIES	
High Hardness	
High Compression Strength	
Abrasion / Wear-Resistance	
Chemical Intertness	
Resistance to Thermal Shock	
High Melting Point	



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