



CUMITUFF® SEAL FACES

CUMITUFF® high Alumina seal faces are manufactured from 95% Alumina Specially developed for chemical plant seal face applications and other similar applications in which corrosive attack is likely to be particularly severe. This material has been subjected to extensive and rigorous laboratory testing to determine the effects of various reagents/chemicals on surface finish. The stability to acid of components made from this material has been determined to be within 0-10mg mg/cm². (CVD Specifications).



Applications

- Pump shaft sleeves
- Pump plungers
- Pump Cylinder liners

DATA CHART FOR CERAMICS

Properties	Units	CUMITUFF® 95P	CUMITUFF® 95W
		95% Alumina	95% Alumina
Colour		Dark Pink	White
Density	gm/cc	3.7	3.7
Hardness	R45N	78	78
Water Absorption	%	Nil	Nil
Surface Finish	Micro-inches	15 - 20	15 - 20
Compressive Strength	Mpa	1650	1650
Co-efficient of Thermal expansion (0-1000 Degree Celsius)	x10 ⁻⁶ / deg C	8.8	8.9

This chart is intended to illustrate typical properties of advanced ceramic materials available from CUMI. Engineering data is representative. The designer should recognize that exact properties may vary according to product configuration and can sometimes be tailored to meet specific requirements.

Ceramic property values vary somewhat with method of manufacture, size and shape of the part. Hence the information set forth herein is offered for comparison only, and is not to be construed as absolute engineering data or constituting a warranty or representation for which we assume legal responsibility.

Contact us for cost-effective design, development and manufacturing assistance.



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