



CUMITUFF® TEXTILE GUIDES

Modern textile technology demands most advanced material of construction at each stage, to match the ever increasing speeds and automation. The yarn guides have thus to be harder with superior finish to withstand the pace of machine/yarn technology in various processes.

CUMI are the privileged suppliers of their HIGH ALUMINA Thread Guides to the leading textile machine manufacturers, fibre producers and yarn processors.



To help us serve you promptly please specify, Shape & size with the help of a sketch, preferably accompanied by a sample. Please mark the yarn-path, surface finish desired and the location of fixing end and/or any other critical area. If there is any mating part, a sample and/or drawing of the same will be helpful.

Tolerances:

Unless otherwise specified, the standard tolerance will be

Above 10 mm Diameter $\pm 2\%$,

Under 10 mm Diameter $\pm 0.25\text{mm}$.

For Rods and Tubes, $\pm 3\%$ on Diameter a min $\pm 0.2\text{ mm}$ and length $\pm 0.5\text{mm}$.

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)	$\times 10^{-6}/\text{deg C}$	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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