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ARC CHAMBER REFRARC GCS

Description

The GCS material is a composite made of calcium aluminate, which contains glass fiber and silicon resin. This material is used as an innovative material in the conception of electrical arc chamber and components which have to resist to high temperatures.

Features

Features	Standards	Measure Unit	Refrarc GCS
Content of alumina cement		%	90
Water absorption	UNI EN ISO 62 2001	%	<2
Apparent density	UNI EN ISO 1183 1 2005	g./cm3	2,30
Impact – bending resistance	UNI EN ISO 179 1	KJ/m²	>14
Bending resistance	UNI EN ISO 178 – 2006	MPa	>30
Compression strength	UNI EN ISO 178 – 2006	MPa	>60
Modulus of elasticity	UNI 6556	GPa	>40
Dielectric strength	CEI EN 60672	Kv/mm	>2,5
Arc resistance	CEI 15-9 § 6.3.01		Conform
	ASTM D495		Conform
Resistance to voltage applied between pins	CEI 15-9 § 6.1.01		Conform

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