



EXTENDED DESCRIPTION

Three-component epoxy resin with high mechanical properties for insulating fillings and sealing of electrical connections.

PRODUCT RANGE

Family	Low Voltage
Series	Three-component epoxy resin

COMMERCIAL INFORMATION

Metel Code	Packaging	Total Volume (L)
RS5000	Tank	4,40

PHYSICAL INFORMATION

Material	Polymer (polyepoxides)
Color	Beige

TECHNICAL INFORMATION

Vulcanized Mixture		Ratings	Standard
Workability time	min (at 23°C)	15	-
Cross-linking time	min (at 23°C)	50	-
Density	g/cm3	1,14	ASTM D 792
Reaction temperature max.	°C	60	ASTM D 3418

Mechanical Properties

Hardness	Shore D	85	ASTM D 2240
Tensile strength	MN/m2	55	ASTM D 638
Elongation at break	%	6,5	ASTM D 638
Compressive strength	MN/m2	70	ASTM D 695
Water absorption (2h 100°C)	%	2,7	ASTM D 792

Electrical Properties

Resistivity	Ω·mm	2·1015	ASTM D 257
Dielectric Dissipation Factor(Loss Factor)		0,02	ASTM D 150
Dielectric strength	kV/mm	>20	ASTM D 149
Dielectric constant		3,6	ASTM D 150

PRODUCT AND SYSTEM CONFORMITY

Certificates	n.a.
Reference standards	n.a.
Conformity	n.a.
Fire behavior	n.a.
ETIM classification	Ver. 7.0 EC001168

SAFETY INFORMATION

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Toxic product	Yes
Dangerous product	No
Halogen Free	(F), (Cl), (Br), (I), (At) Yes
Lead Free	Pb Yes
CLP Compliance (Regulation 1272/2008/EC)	Yes

Customs code	39095090
Country of origin	Italy

NOTES

These information and technical information are based on our knowledge and experience but does not constitute our guarantee as to the final results or liability arising from any legal relationship. Considering, in fact, the multiplicity of materials, the conditions of handling and storage, as well as the conditions of production and use, all the information and indications reported above must be verified in advance by the user according to his specific circumstances of use.