



EXTENDED DESCRIPTION

Two-component polyurethane resin with high mechanical properties for insulating fillings and sealing. Ideal for insulating electrical connections, boards and electronic components in low voltage (0.6/1 kV).

PRODUCT RANGE

Family	Low Voltage
Series	Two-component polyurethane resin

COMMERCIAL INFORMATION

Metel Code	Packaging	Volume totale (L)
RS0150	Dual-chamber bag	0,180
RS0300	Dual-chamber bag	0,220
RS0400	Dual-chamber bag	0,290
RS0550	Dual-chamber bag	0,400
RS0650	Dual-chamber bag	0,470
RS1650	Dual-chamber bag	1,200

PHYSICAL INFORMATION

Material	Polymer (Polyurethane)
Color	Green

TECHNICAL INFORMATION

Vulcanized Mixture		Ratings	Standard
Pot life	min ( 5°C)	40	-
	min (23°C)	25	-
	min (40°C)	15	-
Cross-linking time	min (5°C)	45	-
	min (23°C)	30	-
	min (40°C)	20	-
Density	g/cm <sup>3</sup>	1,37	ISO 2781
Viscosity	mPa·s (23°C)	2000	ISO 2555
Reaction temperature max.	°C	80	-
<b>Mechanical Properties</b>			
Operating Temperature	°C	-40 ... +105	-
Thermal conductivity	W/m·K	0,55 ... 0,65	-
Hardness	Shore D	55	ISO 868
Tensile strength	MPa	9	ISO 527
Elongation at break	%	45	ISO 527
Impact resistance	kJ/m <sup>2</sup>	16	ISO 179
Water absorption	%	12	ISO 62

**Electrical Properties**

Resistivity	$\Omega \cdot \text{mm}$	8·1015	IEC 93
Dielectric Dissipation Factor(Loss Factor)	(at 23°C   50Hz)	0,08	IEC 60250
	(at 23°C   1kHz)	0,05	IEC 60250
Dielectric strength	kV/mm	20	EN 60243
Dielectric constant	(at 23°C   50Hz)	5,1	IEC 60250
	(at 23°C   1kHz)	5,3	IEC 60250

**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**

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	Germany

**NOTES**

This information and technical information is 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, handling and storage conditions, as well as production and use conditions, all the information and indications above must be verified in advance by the user according to his specific circumstances of use.