



RAPID 3010

CASTING MATERIAL FOR LOW/MEDIUM VOLTAGE CABLE JOINTS

KEY FEATURES

- Two-component, polyurethane-type casting material
- Hydrophobic (water-repellent)
- Suitable for increased hydrolysis-requirements (56 d @ 90°C)
- Suitable for filled XLPE, PE, PVC and paper insulated cables
- Excellent curing profile at various temperatures
- Available in double chamber bags and cans of various sizes

TE Connectivity's (TE) RAPID 3010 is a two-component, polyurethane-type casting material. It is an elastic polyurethane resin, meeting the requirements of HD 631.1 S2 and EN 50393. It has excellent insulation properties and is well suited for all low and medium voltage cable joint systems.

Preparation of RAPID 3010 starts immediately before the casting process. The two components are mixed either in a double chamber bag or in a can to start the cross-linking process.

RAPID 3010 has excellent hydrolytic stability and most impressive hydrophobic characteristics. Foaming problems during curing are avoided, even in a relatively high humidity environment. This ensures long-term stability under service conditions. Furthermore, RAPID 3010 has an excellent curing profile at various temperatures, which allows easy handling and curing, summer and winter alike.

Permanent elasticity ensures longterm stability and accommodation of cable movement. As a result of the cross-linking reaction, the resin bonds strongly to functional parts, preventing the creation of voids between hardened resin and cable insulation.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.



System-tested according CENELEC EN 59393 and CENELEC HD 631.1 S2 (LI-W, LMP-W, MMP-W, MI-W).

TECHNICAL DATA	
Type	polyurethane
Colour	blue
Shelf Life	24 months
Reaction Temperature	80 °C
Pot Life at 23 °C	13 mins
Storage Temperature	5 °C min/40 °C max
Hardness	44 Shore D
Tensile Strength	8 MPa
Elongation at break	45 %
Dielectric strength	14 kV/mm

PRODUCT SELECTION INFORMATION			
Description	Delivery Form	Volume	Partnumber
RAPID-3-D035	double chamber bag	0,35 L	C17721-000
RAPID-3-D055	double chamber bag	0,55 L	E02179-000
RAPID-3-D080	double chamber bag	0,8 L	C25161-000
RAPID-3-D140	double chamber bag	1,4 L	F51864-000
RAPID-3-D160	double chamber bag	1,6 L	F90728-000
RAPID-3-D170	double chamber bag	1,7 L	A97882-000
RAPID-3-D215	double chamber bag	2,15 L	F84594-000
RAPID-3-D245	double chamber bag	2,45 L	F24445-000
RAPID-3-C160	cans	1,6 L	F56608-000
RAPID-3-C215	cans	2,15 L	588122-000
RAPID-3-C245	cans	2,45 L	D34921-000
RAPID-3-C370	cans	3,7 L	D30945-000
RAPID-3-C490	cans	4,9 L	F41873-000
RAPID-3-C570	cans	5,7 L	E63699-000
RAPID-3-C650	cans	6,5 L	E64625-000

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