



RAPID 4300

CASTING MATERIAL FOR LOW/MEDIUM VOLTAGE CABLE JOINTS

KEY FEATURES

- Two-component, polyurethane-type casting material
- Hydrophobic (water-repellent)
- 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 4300 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 voltage cable joint systems and for medium voltage systems where mechanical protection and protection against water ingress is required.

Preparation of RAPID 4300 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 4300 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 4300 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).

TECHNICAL DATA	
Type	polyurethane
Color	beige
Shelf Life	24 months
Reaction Temperature	60 °C
Pot Life at 23 °C	15 mins
Storage Temperature	5 °C min/40 °C max
Hardness	30 Shore D
Tensile Strength	4 MPa
Elongation at break	30 %
Dielectric strength	16 kV/mm

PRODUCT SELECTION INFORMATION			
Description	Delivery Form	Volume	Partnumber
RAPID-43B-D010	double chamber bag	0,1 L	EA0427-000
RAPID-43B-D020	double chamber bag	0,2 L	A47464-000
RAPID-43B-D035	double chamber bag	0,35 L	D42869-000
RAPID-43B-D055	double chamber bag	0,55L	D54240-000
RAPID-43B-D080	double chamber bag	0,8 L	CJ8201-000
RAPID-43B-D120	double chamber bag	1,2 L	A56086-000
RAPID-43B-D140	double chamber bag	1,4 L	CJ8203-000
RAPID-43B-D160	double chamber bag	1,6 L	CJ8205-000
RAPID-43B-D170	double chamber bag	1,7 L	C57047-000
RAPID-43B-D215	double chamber bag	2,15 L	CG5788-000
RAPID-43B-D245	double chamber bag	2,45 L	C26980-000
RAPID-43B-D400	double chamber bag	4 L	CF2144-000
RAPID-43B-D500-OOB	double chamber bag	5 L	CN0842-000
RAPID-43B-C120	cans	1,2 L	CG9572-000
RAPID-43B-C160	cans	1,6 L	CG9575-000
RAPID-43B-C170	cans	1,7 L	CG9578-000
RAPID-43B-C215	cans	2,15 L	CG9581-000
RAPID-43B-C245	cans	2,45 L	CG9584-000
RAPID-43B-C370	cans	3,7 L	CG9587-000
RAPID-43B-C400	cans	4 L	CG9590-000
RAPID-43B-C490	cans	4,9 L	CG9593-000
RAPID-43B-C570	cans	5,7 L	CG9596-000

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