

Filofill P2600 polyurethane resin



Specially designed for taped resin injection cablejoints up to 10kV. The resin contains polyether polyols, estherpolyols, and fire retardant additives. The hardner is a high quality MDI type. Filofill P2600 does not contain halogens or plasticizers. Filofill P2600 has good anti-corrosion properties and provides good adhesion to metals, ceramics, many different plastics and can be used on all plastic and paper isolated cable types.

Features

- Very high resistance against UV, chemicals and earth alkalines
- Very high hydrolysis resistance
- No halogens and plasticizers
- Good visibility of the mixing process through the transparent packaging
- High impact-resistance
- Low curing temperature
- No toxic emission
- Suitable for all cable materials (PVC, PE, PP and XLPE)
- In accordance with EN 60455-3-8:2018-02
- Recommended temperature during application 0°C and +35°C
- Storage temperature between +10°C and +35°C, short term between -10°C and +50°C
- Excellent curing characteristics

Specifications

Filofill P2600 polyurethane resin

Properties	Unit	Value	Test Method
Potlife (process time) 0.3L at 5°C	minutes	37	IEC 60455-2
Potlife (process time) 0.3L at 23°C	minutes	17	IEC 60455-2
Potlife (process time) 0.3L at 40°C	minutes	9	IEC 60455-2
Gel-time 0.1L at 30°C	minutes	20	
Exothermic peak 0.1L at 30°C	°C	45	
Density	g/cm ³	1.33	EN ISO 1183-1
Viscosity at 23°C	mPas	1900	EN ISO 2555
Curing under water - Gas volume	ml	<5	IEC 60455-2
Hardness	Shore D	50	EN ISO 868
Tensile strength	MPa	11	EN ISO 527
Elongation at break	%	61	EN ISO 527
Impact resistance	kJ/m ²	>20 / no break	EN ISO 179
Volume resistivity at 23°C	Ohm	9,5x10 ¹⁴	IEC 60093
Dielectric strength at 23°C	kV/mm	20	EN 60243-1
Temperature resistance	°C	-25 tot +120	
Dry heat resistance: 28 days at 120°C			IEC 60455-2
Mass loss	%	0,4	IEC 60455-2
Impact resistance	kJ/m ²	> 20 / no break	EN ISO 179
Wet heat resistance: 28 days at 90°C			IEC 60455-2
Hardness	Shore D	45	EN ISO 868
Tensile strength	MPa	8	EN ISO 527

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Elongation at break	%	40	EN ISO 527
Dielectric strength at 23°C	kV/mm	20	EN 60243-1
General information			
Storage temperature	°C	+10 tot +35	
Shelf life	months	24	
Mixing time	minutes	2	

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More info

[Download: MSDS safety data sheet](#)

[Download: Mixing instructions resin packs with injection pump](#)

Products

Art.nr.	Product Name	Colour	Content	Order unit
804606	Filofill P2600 184ml	black	184ml	10 pcs/carton
804610	Filofill P2600 355ml	black	355ml	10 pcs/carton