

Filofill P2600 polyurethane resin



Specially designed for taped resin injection cablejoints up to 10kV, however can also be used in cast resin joints. The resin contains polyether polyols, estherpolyols, and fire retardant additives. The hardener 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 & sea water
- 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 emissions
- Good adhesion to all cable materials (PVC, PE, PP and XLPE)
- In accordance with IEC 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: Material Safety Data Sheet \(MSDS\)](#)

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

Products

Art.nr.	Product Name	Colour	Content	Order unit
204184	Filofill P2600 184ml	black	184ml	10 pcs/carton
204355	Filofill P2600 355ml	black	355ml	10 pcs/carton
204715	Filofill P2600 710ml	black	710ml	8 pcs/carton