

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
- Good adhesion to all cable materials (PVC, PE, PP and XLPE)
- In accordance with DIN CDE 0291-2 June 1997
- 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

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Properties	Unit	Value	Standard (DIN VDE 0291, part 2)
Potlife (process time) 5°C	minutes	45	As specified by manufacturer (±30%)
Potlife (process time) 23°C	minutes	17	As specified by manufacturer (±30%)
Potlife (process time) 35°C	minutes	13	As specified by manufacturer (±30%)
Gel-time	minutes	23	As specified by manufacturer (±30%)
Density	g/cm ³	1,3	> 1,05 (DIN 53479)
Compression strength	N/mm ²	20	> 8
Crack resistance	N/mm ²	6,5	> 5
Hardness	Shore D	49	> 30
Tensile strength	N/mm ²	9	As specified by manufacturer (20%)
Elongation at break	%	60	As specified by manufacturer (±30%)
Water absorption (24h/23°C)	mg	18	max. 25
Water absorption (42d/50°C)	mg	243	max. 400
Disruptive strength	kV/mm	> 20	
Temperature resistance	°C	-25 till +120	
Shelf life	months	18	
Colour		black	
Mixing time	minutes	2	
Thermal resistance (28d/120°C)			
Compression set to 30%	N/mm ²	25	< 50
Deformation 24h after the test	%	1	< 10 deformation

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Impact resistance	kJ/m^2	20	> 10
Weight loss	%	0,8	< 5
Resistance against moisture after storage in water at 90°C			
Tensile strength	N/mm^2	6,3	> 5,85 (65%)
Elongation at break	%	72	> 39 Elongation at break (65%)
Hardness	Shore D	45	> 39 (80%)

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More info

[Download: MSDS safety data sheet Polyurethane Resins - P2654, P2600, P2662](#)

[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
804630	Filofill P2600 710ml	black	710ml	8 pcs/carton