

# Filofill P2654 Polyurethane casting resin



Filofill P2654 is specially designed for cablejoints up to 1kV. Filofill P2654 has good anti corrosion properties and shows a good adhesion to metal, ceramics, and many different plastics, and can be utilized on all plastic- and paper isolated cable types.

## Features

- Type tested according to: IEC 60455-3-8:2013
- High resistance against UV, chemicals and earth alkalines
- 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
- 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	Test Method
Potlife (process time)			
0.3 l at 5°C	minutes	28	IEC 60455-2
0.3 l at 40°C	minutes	9	IEC 60455-2
Viscosity mixture 25°C	Mpa.s	3000 - 6000	
Gel-time	minutes	14	
Density	g / cm <sup>3</sup>	1,52	EN ISO 1183-1
Impact strength	kJ/m <sup>2</sup>	36,4 (no break)	EN ISO 179
Hardness	Shore D	41	EN ISO 868
Tensile strength	MPa	7.07	EN ISO 527
Elongation at break	%	40	EN ISO 527
Water absorption (30d/23°C)	%	< 1,0	
Curing in the presence of water - Gas volume	ml	0	IEC 60455-2
Dielectric strength	kV / mm	> 20	
Volume resistivity at room temperature	Ohm	9x10 <sup>14</sup>	IEC 60093
Volume shrinkage	%	0,33	
Temperature resistance	°C	-25 tot +120	
Shelf life	months	24	
colour		black	
Mixing time	minutes	2	
Dry heat resistance: 28 days at 120°C			IEC 60455-2
Mass loss	%	0.79	HD 631.1 S2: 2007-12
Impact strength	kJ/m <sup>2</sup>	19.8	EN ISO 179
Wet heat resistance: 28 days at 70°C			IEC 60455-2

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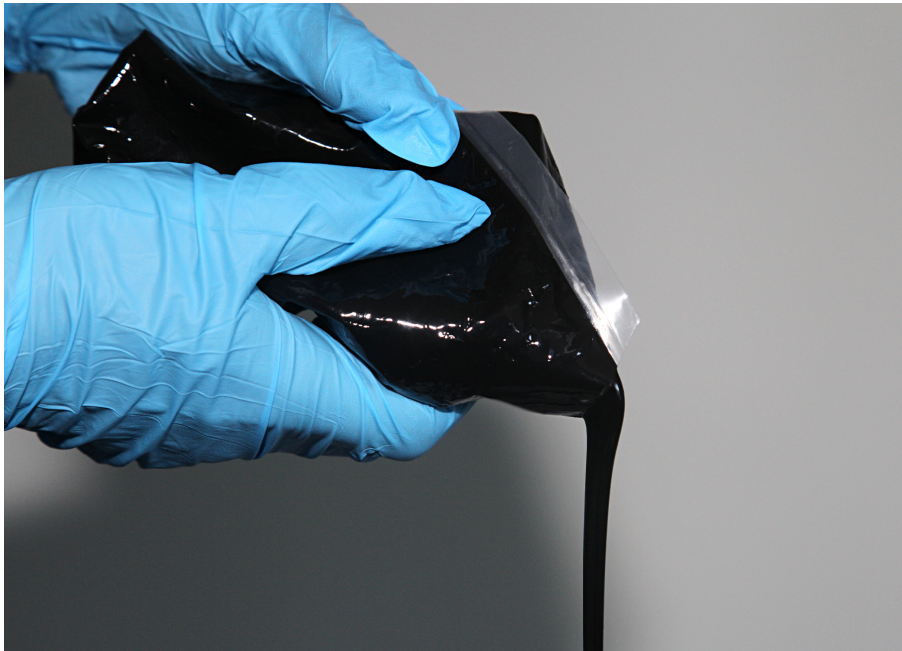
Hardness	Shore D	48.9	EN ISO 868
Tensile strength	MPa	7.02	EN ISO 527
Elongation at break	%	36	EN ISO 527
Dielectric strength	kV/mm	19.74	EN 60243-1

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## More info

[Download: Material Safety Data Sheet \(MSDS\)](#)

[Download: Mixing instructions](#)



## Products

Art.nr.	Product Name	Colour	Content	Order unit
8047709	Filofill P2654 200ml	black	200ml	15 pcs/carton
8047720	Filofill P2654 360ml	black	360ml	10 pcs/carton
8047735	Filofill P2654 450ml	black	450ml	10 pcs/carton
8047755	Filofill P2654 800ml	black	800ml	6 pcs/carton
8047765	Filofill P2654 1200ml	black	1200ml	2 pcs/carton
8047785	Filofill P2654 2000ml	black	2000ml	2 pcs/carton

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