

# Kabeline 1611 epoxy resin



Kabeline 1611 is a unfilled 2-component epoxy resin used in low voltage injection joints up to 4 kV.

## Features

- Excellent electrical and mechanical features
- Suitable for all cable types, such as PVC, (XL) PE, PP and GPLK
- Totally resistant against water, applicable under all circumstances (even on wet cables)
- Optimal processability due to constant viscosity during mixing and injection
- Approved in accordance with CDE 0291 and NEN 3602
- Transparent bag allows visibility during mixing process
- Resin and hardener always supplied in the right volumes
- Resin which remains in the bag after mixing can be disposed of as normal waste

## Specifications

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Properties	Unit	Value	Standard (DIN VDE 0291, part 2 / NEN 3602)
Potlife (process time) 5°C	minutes	60	As specified by manufacturer (+30%)
Potlife (process time) 23°C	minutes	19	As specified by manufacturer (+30%)
Potlife (process time) 35°C	minutes	10	As specified by manufacturer (+30%)
Gel-time	minutes	32	NEN 3602 / Annex A
Density	g/cm <sup>3</sup>	1,107	DIN 53479 / ISO 1675
Compression strength	N/mm <sup>2</sup>	12	> 8 N/mm <sup>2</sup> (DIN EN 20604)
Hardness	Shore D	83	> 70 (DIN 53505 / ISO 868)
Tensile strength	N/mm <sup>2</sup>	55	DIN EN ISO 527
Water absorption (24h/23°C)	%	0,12	DIN 53495
Weight loss after thermal ageing (7d/120°C)	%	0,48	NEN EN ISO 179 / NEN 3602 / Annex C
Electrical resistance (24h 50% RH 23°C)	Ohm	3,2 E + 13	DIN 53482
Electrical resistance (24h in H2O 23°C)	Ohm	2,6 E + 13	DIN 53482
Specific resistance (24h 50% RH 23°C)	Ohm x cm	1,4 E + 15	DIN 53482
Tracking resistance		KA 3c	DIN 53480
Dielectric strength	kV/mm	> 20	DIN 53481
Flame point in open cup resin	°C	> 175	> 55
Flame point in open cup hardener	°C	> 175	> 55
Shrink during hardening	%	2,6	< 6,5 (DIN 16945)

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Impact resistance	$\text{kJ/m}^2$	12,5	> 6 (DIN 53454)
Shelf life	months	18	
Hardening under water	ml/gas	3	< 10 (point 13 VDE 0291-2)
Colour		orange / red	
Mixing time	minutes	2	
Raw materials		unfilled epoxy resin	

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## More info

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

## Products

Art.nr.	Product Name	Colour	Content	Order unit
80136UK	Kabeline 1611 B-pack	red	197 gram	10 pcs/carton
80137UK	Kabeline 1611 C-pack	red	380 gram	10 pcs/carton