



The FiloSlim P2662 is a cold-curing two-component polyurethane resin developed for cable joints up to 10 kV. The resin is composed of polyether polyols, ester polyols and has fire retardant properties. This resin has been specially developed for use in the FiloSlim cable joint.

The moisture resistant formula P2662 is classified as L-R-W classified (Low Voltage - Rigid - Suitable for applications in presence of Water) according to IEC 60455-3-8:2013.

The FiloSlim resin packaging is equipped with an integrated filling nipple. After mixing the resin, the package is placed on the injection valve and opened by turning it a quarter turn. The packaging is now linked to the injection valve and can be easily emptied into the cable joint with manual force.

When the cable joint is filled, the packaging can be removed by turning it a quarter turn back. The injection valve and the resin packaging will be closed completely liquid-tight with this simple operation. A partially used resin package can be used for a next joint.

PATENTED

Features

- Type tested according to: IEC 60455-3-8:2013
- L-R-W classified (Low Voltage – Rigid – Suitable for applications in presence of Water)
- Its unique low viscosity combined with a thixotropic character ensures optimal flow and easy hand filling of the cable joint.
- The packaging is very strong, flexible and 100% leak proof.
- Suitable for all cable materials including PVC, PE, PP, XLPE and PILC.
- It provides very good resistance to UV rays, chemicals and alkalines.
- The resin possesses high hydrolysis constancy and good corrosive-resistant properties.
- No halogens or plasticizers.
- The resin enjoys high impact resistance.
- Low curing temperatures.
- No emissions of toxic substances.
- Good curing even under wet conditions.
- Recommended handling temperature is between 0 and +35C.
- Storage temperature is between +10 and +35C, short term -10 and +50C.
- Mixed resin that remains in the packaging hardens completely and can be disposed of as normal industrial waste.
- The transparent two-component packaging enables visualization and ensures an optimal mixing process.

Specifications

Properties	Unit	Value	Test Method
Potlife (process time)			
0.3 l at 5°C	minutes	34	IEC 60455-2
0.3 l at 40°C	minutes	7.5	IEC 60455-2
Density	g/cm ³	1.2	EN ISO 1183-1
Impact strength	kJ/m ²	33.8 (no break)	EN ISO 179
Hardness	Shore D	41	EN ISO 868
Tensile strength	MPa	8.29	EN ISO 527
Elongation at break	%	112	EN ISO 527
Curing in the presence of water - Gas volume	ml	0	IEC 60455-2
Volume resistivity at room temperature	Ohm	1,1x10 ¹⁵	IEC 60093
Dielectric strength at room temperature	kV/mm	>20 kV/mm	EN 60243-1
Temperature resistance	°C	-25 tot +120	
Shelf life	months	24	
Mixing time	minutes	2	
Dry heat resistance: 28 days at 120°C			IEC 60455-2
Mass loss	%	2.89	HD 631.1 S2: 2007-12
Impact strength	kJ/m ²	23.7	EN ISO 179
Wet heat resistance: 28 days at 90°C			IEC 60455-2
Hardness (retention/original)	%	85	EN ISO 868
Tensile strength (retention/original)	%	85.5	EN ISO 527

FiloSlim resin P2662

Elongation at break (retention/original)	%	122	EN ISO 527
Dielectric strength	kV/mm	18.1	EN 60243-1