



Filoflex is a low viscosity, semi-rigid two-part polyurethane resin, exhibiting high electrical strength, toughness and adhesion. It is designed for use as a cable jacket repair system for splicing and repairing of portable/flexible cables, and is particularly suitable for encapsulation of surface and subsea electrical connections.

Features

- RoHS Compliant
- Non-toxic
- Low water absorption (0.3% 168 hours @ 23°C)
- High resistance to seawater
- Available in 250ml and 600ml Packs

Specifications

Properties	Unit	Value
Gel Time (150g mass @ 25°C)	Minutes	20-30
Water absorption (24 hours @ 23°C)	%	0.09
Water absorption (168 hours @ 23°C)	%	0.3
Hardness	ShoreA	85
Tensile Strenth	Mpa	10
Elongation at break	%	200
Compressive Strength	Mpa	Flexible
Thermal conductivity	W / m.K	0.22
Coefficient of thermal expansion	ppm/°C	75-100
Operating temperature range	°C (application & geometry dependant)	
Maximum Service temperature	°C (application & geometry dependant)	130
Volume resistivity	ohm.cm	315
Surface Resistivity	ohm.cm	214
Electric Strength	kV/mm	25
Dielectric Constant	100 Hz	3.1
Dielectric Constant	1 kHz	3
Dielectric Constant	10 kHz	3.7
Dissipation Factor	1 MH2	0.023

Products

Art.nr.	Product Name	Colour	Content	Order unit
Filoflex 250	Filoflex - 250ml	black	250ml	1 pcs/carton
Filoflex 600	Filoflex - 600ml	black	600ml	1 pcs/carton