

SÄKAPHEN Cleaning Paste 83.750 for plastic insulators

Product description:

The SÄKAPHEN® SAEKA-Cleaning Paste for plastic insulators 83.750 was customer specifically developed, tested and put into daily use for a large German energy and maintenance company. The formulation is designed for the cleaning of plastic insulators taking into account the experience of SÄKAPHEN® as manufacturer of environmentally friendly and skin-friendly cleaning systems for high-voltage insulators.

The product is physiologically harmless and label free. No special PPE is needed.

Filling weight: 750 g

Characteristics:

Resistant against corrosive mediums, salts or gaseous contaminations in the air.

Fields of application:

The SÄKAPHEN® SAEKA-Cleaning Paste for plastic insulators prevents deposits of dust and continuous water films on cast resin and plastic insulators and thus protects against flashovers. The SAEKA-Cleaning Paste extends maintenance cycles and reduces downtime. The product is suitable for cleaning and sealing surfaces in one go. Simply apply with a rag and wipe briefly. In areas of high humidity or heavy air pollution, additional protection with SAEKA-Silicone Grease 81.750 is recommended.

Practical testing:

Test.-Nr.:	Point of partial discharge in kV (Säkaphen)	Loss factor in % (Säkaphen)	Point of partial discharge in kV (other cleaners)	Loss factor in % (other cleaners)
1-1	35	0,190	32	0,350
1-2	37	0,210	33	0,380
1-3	33	0,200	31	0,320
mean	35	0,200	32	0,350

The point of partial discharge of high voltage insulators treated with SÄKAPHEN®-SAEKA-Cleaning Paste for plastic insulators is 35vK compared to 32kV of high voltage insulators treated with conventional cleaners. The values thus prove an increased point of partial discharge when the high voltage insulator is treated with SÄKAPHEN®-SAEKA-Cleaning Paste for plastic insulators.

Furthermore, the cleaning of high voltage insulators with SÄKAPHEN®-SAEKA-Cleaning Paste for plastic insulators results in a reduced loss factor of $\tan(\delta) = 0.2\%$. This means a reduction of the loss factor by 0,15% compared to the loss factor of insulators being treated with conventional cleaners

The use of SÄKAPHEN®-SAEKA-Cleaning Paste for plastic insulators is therefore recommended in order to reduce operating costs due to reduced maintenance and reduced risk of failure.