

TECHNICAL DATA SHEET

Unilite EXP888-60 Series

Filler for Electrical Bushings and Insulators



Low density, non-draining compound suitable for insulating high voltage bushings and insulators suitable for extreme temperatures. Unilite exhibits excellent electrical strength and low permittivity with good oxidation resistance.

Properties	Typical Value	Test Method
Appearance	White	Visual
Density, 25°C (g/ml)	0.50	ASTM D1475
Flash Point – Base Oil (°C)	≥180	ASTM D92
Cone Penetration, 25°C (dmm)	350	ASTM D217 (M)
Oil Separation, 100°C, 24 hours (Wt %)	Zero	FTM 791-321 (M)
Volatile Loss, 100°C, 24 hours (Wt %)	≤1.0	FTM 791-321 (M)
Oxidative Induction Time, 190°C (min)	≥30	ASTM D3895
Acid Value (mg KOH/g)	≤0.3	ASTM D974-85
Fungal growth	Nil	BS 5980
Volume Resistivity, 20°C (Ohm-cm)	1×10^{15}	ASTM D257
Permittivity, 50Hz, 25°C	≤1.7	ASTM D150
Dissipation Factor, 1MHz	4.4×10^{-4}	ASTM D924
Thermal Conductivity @ 30°C (W/(m. K))	0.123	Unigel Derived
Thermal Conductivity @ 80°C (W/(m. K))	0.114	Unigel Derived

Packaging Type	Net Weight (kg)	Supply Options
210 Litre Drum	90kg	Single Journey
1000 Litre Unibag	400kg	Single Journey

Compatibility

UNILITE-EXP888-60 is compatible with most polymers, resins, bushing cores and adhesives. Tests on typical polymers show minimal reaction, but it is recommended that compatibility tests are made with all materials likely to come into contact with the compound.

Processing

UNILITE-EXP888-60 is suitable for cold pumping and processing, enabling filling without voids created by compound shrinkage.

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