

# TECHNICAL DATA SHEET

## Unilite EXP888 Series

Filler for Electrical Bushings and Insulators



Low density, non-draining compound suitable for insulating medium to high voltage bushings. 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)	0.45	ASTM D1475
Flash Point – Base Oil (°C)	≥200	ASTM D92
Cone Penetration, 25°C (dmm)	360	ASTM D217 (M)
Viscosity, 10 1/s, 25°C (Pa.s)	70	UNIGEL CR Ramp 0-12 1/s
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
Volume Resistivity, 20°C (Ohm-cm)	$1 \times 10^{15}$	ASTM D257
Permittivity, 50Hz, 25°C	≤1.7	ASTM D150
Dissipation Factor, 1MHz	$4.4 \times 10^{-4}$	ASTM D924
Expansion Coefficient, °C <sup>-1</sup>	$832.4 \times 10^{-6}$	UNIGEL

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

### Compatibility

Unilite EXP888 Series is compatible with most polymers, copper conductors, ceramic housings and resins. However it is recommended that compatibility tests are made with all materials likely to come into contact with Unilite EXP888.

### Processing

Unilite EXP888 Series can be pumped at ambient conditions from packaging to application point, Unilite EXP888 is thixotropic and does not require pre-heating.

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