

# EXSYM MOBIL LIMITED, ENGLAND

## Synthetic Electrical Insulating Oil Based on Linear Alkylbenzene for Oil Filled Cable

### PRODUCT NAME - EXSYM DDB CABLE OIL 1010

#### USES

- This type of oil is used for filling the high voltage oil filled electrical cables.

#### PROPERTIES

- Excellent resistivity, power factor and dielectric strength.
- Excellent stability in operation and resistance to aging.
- High anti-oxidation and thermal stability.
- Very low pour point.
- Low viscosity ensuring satisfactory cooling
- Bio-degradable

#### SPECIFICATION

- IEC 867 Class I; JIS C 2320 Class 2-3; KS C 2301 2-3

#### CHARACTERISTICS

Test Items	Test Method	Unit	Typical value
Density at 15°C	ASTM D-1298	g/cm <sup>3</sup>	0.861
Kinematic Viscosity at 40°C	ASTM D-445	(cSt)	4.3
at 100°C			1.46
Pour Point	ASTM D-97	°	Max. -70
Flash Point, PM	ASTM D-93	°	142
TAN	ASTM D-974	mgKOH/g	0.01
Water Content	ASTM D-1533	ppm	23 (Drum)
Evaporation Loss	KS C-2101	wt%	0.18
Reactivity	KS C-2101	-	Neutral
Corrosive Sulfur at 140°C, 19hrs	ASTM D-1275	-	Non-corrosive
Breadown Voltage, 2.5mm	ASTM D-877	kV	75
Volume Resistivity	ASTM D-1169	Ω ·cm	2.1X10 <sup>15</sup>
Dielectric Dissipation Factor at 90°C, 40-60Hz	ASTM D-924	%	0.003

Above characteristics are mean values given as an information.