

Property	Unit	Test Method	Specification Limits		Typical Data
			Min.	Max.	
1- Function					
Viscosity, 40°C	mm²/s (cSt)	ASTM D445		16.5	15.7
Closed Flash Point	mm²/s (cSt)	ASTM D 93	140		170
Pour point	°C	ASTM D 97		-30	-30
Water content	mg/kg	IEC 60814		30	< 20
Dielectric Strength at 60 HZ	kV	ASTM D 877	30		51
Density, 20°C	gm / cm³	ASTM D4052		0.895	0.875
2 - Refining/stability					
Color		ASTM D 1500		1.5	< 0.5
Appearance at 15°C		IEC 60296	Clear, Free from Sediment		Clear, Free from Sediment
Acidity	mg KOH/g	IEC 62021		0.03	NIL
Interfacial tension at 25°C	mN/m	IEC 62961	40		47
Corrosive sulphur		DIN 51353	Non-Corrosive		Non-Corrosive
Potentially corrosive sulphur		IEC 62535	Non-Corrosive		Non-Corrosive
Corrosive sulphur		ASTM D1275	Non-Corrosive		Non-Corrosive
DBDS	mg/kg	IEC 62697-1	Not Detectable		Not Detectable
Antioxidants	wt %	IEC 60666	Not Detectable		Not Detectable
Metal passivator additives	mg/kg	IEC 60666	Not Detectable		Not Detectable
2-Furfural and related compounds content	mg/kg	IEC 61198		< 0.05	< 0.05
Aromatic content	%	IEC 60590			9
3 - Performance					
Oxidation stability at 120°C, 164 h		IEC 61125			
- Total acidity	mg KOH/g	IEC 61125		1.2	0.7
- Sludge	wt %	IEC 61125		0.8	0.17
- DDF at 90°C		IEC 61125		0.500	0.041
4 - Health, safety and environment (HSE)					
Flash Point, PM	°C	ISO 2719	135		150
PCA	wt %	IP 346		< 3.0	< 3.0
PCB	mg/kg	IEC 61619	Not Detectable		Not Detectable

*this product contains no undeclared additives

DRAGON SAMSO is an uninhibited insulating oil meeting IEC 60296 Ed. 5 (2020), Type B, TVBU and it is 100% recyclable. Breakdown voltage after treatment as per definition in IEC 60296, section 6,4