

MICTRANS "DU"

Property	Unit	Test Method	Guaranteed Data MinMax	Typical Data
1. Physical				
Appearance		-	Clear,free from sediment and suspended matter	complies
Density, 20°C	kg/dm ³	ISO 3675	0.895	0.880
Viscosity, 40°C	mm ² /s	ISO 3104	12.0	9.0
Viscosity, -30°C	mm ² /s	ISO 3104	1800	800.0
Pour Point	°C	ISO 3016	-40	<-50
2. Chemical				
Acidity	mg KOH/g	IEC 62021 - 1	0.01	< 0.01
Corrosive sulfur		DIN 51353	noncorrosive	noncorrosive
Corrosive sulfur		ASTM D1275, B	noncorrosive	noncorrosive
Potentially corrosive sulfur		IEC 62535	noncorrosive	noncorrosive
DBDS		IEC 62697-1	not detectable(<5mg/kg)	not detectable
Antioxdant additive	wt%	IEC 60666	not detectable(<0.01%)	not detectable
Metal passivator addivives		IEC 60666	not detectable(<5mg/kg)	not detectable
Water content	mg/kg	IEC 60814	30	< 20
2-furfural & related content	mg/kg	IEC 61198	0.05	< 0.05
3. Electrical				
DDF at 90 °C		IEC 60247	0.005	< 0.001
Interfacial tension	mN/m	EN 14210	40	>45
Breakdown voltage		IEC 60156		
- Before treatment	kV		30	40~60
- After treatment	kV		70	>70
4. Oxidation Stability				
At 120°C, 164hr		IEC 61125, C		
- Total acidity	mg KOH/g		1.2	0.60
- Sludge	wt%		0.8	0.35
- DDF at 90 °C		IEC 60247	0.5	<0.2
Gassing tendeny	μℓ/min	IEC 60628, A		+25
5. Health, safety and environment (HSE)				
Flash Point, PM	°C	ISO 2719	135	145
PCA	wt%	IP 346	3	<3.0
PCB	ppm	IEC 61619	not detectable	not detectable

Mictrans "DU" is an uninhibited transformer oil, meeting IEC 60296(2012), General specifications.