TEXOL POWERTEX PU-60

TEXOL
Molecular Engineering
Powered By gandhar oil refinery (india) ltd.

Product Description

Texol Powertex PU-60 Transformer Oil is developed through Texol in-house R&D efforts by severely refined hydro-cracked / hydro-treated oils. It contains effectively zero sulphur, thereby protecting your transformer against unplanned shutdown and component failure due to oil-related copper corrosion it meets the current requirements of IEC 60296: 2012 standard specification.

Applications

Transformer Oil Uninhibited is employed as insulating oil in Power Transformers, Distribution Transformers, switchgear, inductors, condensers, X-ray equipment, transducers and similar equipment.

Features and Benefits

- High dielectric strength.
- Reliable low temperature performance.
- Less prone to oxidation leads to long service life.
- Offers neutral behaviour with insulating material.
- High resistance to thermal and chemical degradation.
- Prevents the formation of corrosive acids and high molecular-weight sludge.

Specifications and Approvals

It meets the Uninhibited transformer oil specification IEC 60296/ Edition 4.0 2012.

Characteristics

	Characteristics	Test Method	Specification
	1-Function:		
1	Color	ASTM D 1500	---
2	Kinematic Viscosity @40 °C mm2/sec @ (-) 30°C mm2/sec	 ISO 3104 ISO 3104	 Max. 12 Max. 1800
3	Pour Point °C	ISO 3016	Max. (-) 40
4	Water Content (PPM)	IEC 60814	Max. 30 mg/kg for bulk supply Max. 40 mg/kg for supply in Drum
5	Breakdown Voltage	IEC 60156	Min. 30 kV as delivered Min. 70 kV after lab treatment
6	Density @20°C KG/dm3	ISO 3675 OR ISO 12185	Max. 0.895
7	Density @29.5C KG/dm3	ISO 3675 OR ISO 12185	---
8	Dielectric Dissipation Factor @ 90°C & 40 to 60 Hz	IEC 60247 OR IEC 61620	Max. 0.005
9	Particle Content	ISO 60970	No General Requirement

Texol Lubritech FZC
P.O. Box 50802, Plot 2B-12, Phase 1, Hamriyah Free Zone, Sharjah, U.A.E.
sales@texollubritech.com l +971 6 512 3000
www.texollubritech.com

	2-Refining/ Stability:		
10	Appearance	VISUAL	Clear, free from sediment & Suspended matter
11	Acidity	IEC 62021-1 OR IEC62021-2	Max. 0.01 mg KOH/gm
12	Inter Facial Tension MN/m	EN 14210 OR ASTM D971	Min. 40
13	Total Sulphur Content	IP 373 OR ISO 14596	No General Requirement
14	Corrosive Sulphur	DIN 51353	Non Corrosive
15	Potentially Corrosive Sulphur	IEC 62535	Non Corrosive
16	DBDS(Dibenzyldisulphide) mg/kg	IEC 62697	Not Detectable(<5mg/kg)
17	Inhibitors of IEC 60666	IEC 60666	(U) Uninhibited Oil; Not Detectable (<0.01%)
18	Metal Passivator Additives mg/kg	IEC 60666	Not Detectable
19	Other Additives	---	---
20	2 Furfural Content mg/kg/gm	IEC 61198	Not Detectable
21	Stray Gassing	See 6.22	No General Requirement
	3-Performance:		
22	Oxidation Stability @120°C, 164 Hrs	IEC-61125:1992 (METHOD C) TEST DURATION; UNINHIBITED OIL: 164 Hrs	
	A) Total Acidity mg KOH /gm	1.9.4 of IEC 61125:1992	Max. 1.2
	B) Sludge %	1.9.1 of IEC 61125:1992	Max. 0.8
	C) DDF @ 90 °C	1.9.6 Of IEC 61125:1992 Amendment 1(2004) +IEC 60247	Max. 0.5
23	Gassing Tendency	IEC60628:1985, METHOD A	No General Requirement
24	ECT		No General Requirement
	4- Health, Safety and Environment:		
25	Flash Point	ISO 2719	Min. 135°C
26	PCA Content %	BS-2000 PART 346	Max. 3.0%
27	PCB Content mg/kg/gm	IEC-61619	Not Detectable

Health and Safety

Detailed health and safety information for this product is provided in a Material Safety Data Sheet which is available upon request from our Texol sales office.