

TEXOL POWERTEX NU-60



Powered By
gandhar
oil refinery (India) Ltd.

Product Description

Texol Powertex NU-60 Transformer Oil is developed through Texol in-house R&D efforts and by carefully selected raw materials and refining techniques. It has superior dielectric properties and a better heat transfer coefficient. It Surpass the current requirements of IEC 60296: 2012 standard specification.

Applications

Texol POWERTEX NU-60 is used in transformers and also used in many rubber compositions such as Styrene Butadiene Rubber for instance and the compatibility is excellent.

Features and Benefits

- Excellent performance and proven reliability.
- It serves as a medium to transfer heat away from the core, and helps maintain the water balance of the system.
- The naphthenic oil will reach a lower viscosity meaning more oil circulation in the transformer and better cooling.

Specifications and Approvals

It meets the Naphthenic Uninhibited transformer oil specification IEC 60296

Characteristics

	Characteristics	Test Method	Specification
	1-Function:		
1	Color	ASTM D 1500	---
2	Kinematic Viscosity @40 °C mm ² /sec @ (-) 30°C mm ² /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/dm ³	ISO 3675 OR ISO 12185	Max. 0.895
7	Density @29.5C KG/dm ³	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

	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(Dibenzylidisulphide) 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
28	Carbon Type Analysis CA % CP % CN %	FTIR	4.0 to 12.0 Max. 50.0 Min. 42.0

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.