

Univolt™ TO

Hydrocarbon Fluid

General

Specification Region ▪ North America

Properties	Minimum	Maximum	Unit	Test Method
Aniline Point	63	--	°C	ASTM D611
Appearance	Bright & Clear	--		ASTM D1524
Color, ASTM	--	0.5		ASTM D1500
Copper Strip Corrosion	Non-corrosive	--		ASTM D1275
Dielectric Breakdown Voltage				ASTM D1816
60 Hz, VDE Electrode, 1 mm	20	--	kV	
60 Hz, VDE Electrode, 2 mm	35	--	kV	
Dielectric Breakdown Voltage, Impulse Conditions	145	--	kV	ASTM D3300
Flash Point	145	--	°C	ASTM D92
Furanic Compounds ¹	--	25	µg/l	ASTM D5837
Gassing Tendency	--	30	µl/min	ASTM D2300
Inhibitor	0.08	0.30	wt%	ASTM D2668
Interfacial Tension	40	--	mN/m	ASTM D971
Kinematic Viscosity				ASTM D445
0°C	--	75.0	cSt	
40°C	--	12.0	cSt	
100°C	--	3.0	cSt	
Neutralization Number	--	0.03	mg KOH/g	ASTM D974
Oxidation Stability	195	--	min	ASTM D2112
Oxidation Stability, Sludge				ASTM D2440
72 hr	--	0.1	wt%	
164 hr	--	0.2	wt%	
Oxidation Stability, TAN				ASTM D2440
72 hr	--	0.3	mg KOH/g	
164 hr	--	0.4	mg KOH/g	
Polychlorinated Biphenyls ²	--	None Detected	wtppm	ASTM D4059
Pour Point ³	--	-40	°C	ASTM D5950
Power Factor				ASTM D924
25°C	--	0.050	%	
100°C	--	0.300	%	
Specific Gravity (15/15°C)	--	0.91		ASTM D4052
Water Content	--	35	wtppm	ASTM D1533

Notes

Univolt™ TO meets the requirements of ASTM D3487-16 as a Type II Mineral Oil.

ExxonMobil's sampling and testing procedures in effect at the time of production will be used for certification testing. Results may be based on tank certification, manufacturing data, periodic testing and/or most recent product restock. ExxonMobil reserves the right to use other equivalent test methods in certifying this product.

The values indicated in this document may deviate from the test method requirements by the number of significant figures shown.

¹ Specification Limit is for each species measured

² <2ppmw Detection Threshold

³ 1°C Interval Method

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