

Univolt™ TO(S)

碳氢流体

总览

Specification Region ■ 亚太地区

Function	最小值	最大值	单位	测试方法
粘度				ASTM D7042 ISO 3104
40° C	--	12	mm ² /s	
-30° C ¹	--	1800	mm ² /s	
倾点	--	-40	° C	ISO 3016
水含量	--	30	mg/kg	IEC 60814
Breakdown Voltage, before Treatment	30	--	kV	IEC 60156
Breakdown Voltage, after Treatment	70	--	kV	IEC 60156
密度 (20° C)	--	0.8950	g/ml	ASTM D7042 ISO 12185 ISO 3675
Dielectric Dissipation Factor 90° C	--	0.005		IEC 60247 IEC 61620
Refining/Stability	最小值	最大值	单位	测试方法
颜色	--	0.5		ASTM D1500 ISO 2049
外观	Clear, Free of Sediment or Suspended Matter	--		IEC 60296
Acidity ¹	--	0.01	mg K/g	IEC 62021-1 IEC 62021-2
Interfacial Tension	43	--	mN/m	ASTM D971 IEC 62961
Total Sulfur Content ¹	--	0.05	%	ISO 14596 ISO 8754
Sulfur, Corrosive ¹	Non-corrosive	--		DIN 51353
Sulfur, Potentially Corrosive ¹	Non-corrosive	--		IEC 62535
DBDS or Dibenzyl Disulfide ²	Not Detectable	--		IEC 62697-1
Oxidation Inhibitor	0.08	0.40	%	IEC 60666
Additives, Metal Passivators ³	Not Detectable	--		IEC 60666
2-Furfural & Related Compounds ⁴	Not Detectable	--		IEC 61198
Stray Gassing ⁵	Not Detectable	--		IEC 60296- PROA4
性能	最小值	最大值	单位	测试方法
Oxidation Stability, Acidity ⁶	--	0.3	mg K/g	IEC 61125
Oxidation Stability, DDF @ 90° C ⁷	--	0.05		IEC 61125
Oxidation Stability, Sludge ⁷	--	0.05	wt%	IEC 61125
RPVOT ⁸ (With AO)	Report Only	--		ASTM D2112
Health, Safety and Environment (HSE)	最小值	最大值	单位	测试方法
闪点	135	--	° C	ISO 2719
Polycyclic Aromatics ¹	3	--	%	IP 346
Polychlorinated Biphenyl Content ⁹	Not Detectable	--		IEC 61619

Univolt™ TO(S)
碳氢流体

备注

Univolt™ TO(S) meets the requirements of IEC 60296 as a Type A (fully inhibited high-grade oils).

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.

Product contains an alkylated polystyrene pour point depressant in the range of 0.01 - 0.03 wt%.

¹ Test will be conducted on a periodic interval. Value reported will be the last tested figure

² Not detectable (< 5 mg/kg)

Test will be conducted on a periodic interval. Value reported will be the last tested figure

³ Not detectable (< 5mg/kg), or as agreed upon with the purchaser

Test will be conducted on a periodic interval. Value reported will be the last tested figure

⁴ Not detectable (< 0.05 mg/kg) for each individual compound

Test will be conducted on a periodic interval. Value reported will be the last tested figure

⁵ Non stray gassing: < 50ul/l hydrogen (H2) and < 50 ul/l methane (CH4) and <50ul/l ethane (C2H6)

IEC 60296, Procedure in clause A.4(oil saturated with air) in the presence of copper

Test will be conducted on a periodic interval. Value reported will be the last tested figure

⁶ Oxidation stability @120 C, 500h

⁷ Oxidation stability @120 C, 500h

Test will be conducted on a periodic interval. Value reported will be the last tested figure

⁸ Oxidation Stability of Inhibited Mineral Insulating Oil by Pressure Vessel

Test will be conducted on a periodic interval. Value reported will be the last tested figure

⁹ Not detectable (< 2 mg/kg)

Test will be conducted on a periodic interval. Value reported will be the last tested figure

标准免责声明中文译文 www.exxonmobilchemical.com/ContactUs

©2024 埃克森美孚。埃克森美孚 (ExxonMobil), 埃克森美孚的徽标 (ExxonMobil logo) 及连接的“X”设计和在本文件中使用的的所有其他产品或服务名称, 除非另有标明, 否则均为埃克森美孚的商标。未经埃克森美孚的事先书面授权, 不得分发、展示、复印或改变本文件。使用者可在埃克森美孚授权的范围内, 分发、展示和/或复印本文件, 但必须毫无改动并保持其完整性, 包括所有的页眉、脚注、免责声明及其它信息。使用者不可将本文件全文或部份复制到任何网站。埃克森美孚不保证典型 (或其它) 数值。本文件包含的所有数据是基于代表性样品的分析, 而不是实际运送的产品。本文件所含信息仅是所指明的产品或材料未与任何其它产品或材料结合使用时的相关信息。我们的信息基于收集之日被认为可靠的数据, 但是, 我们并不明示或暗示地陈述、担保或以其它方式保证此信息或所描述产品、材料或工艺的适销性、适宜于某一特定用途、不侵犯专利权、适用性、准确性、可靠性或完整性。使用者对在其感兴趣的领域使用该材料、产品或工艺所做的一切决定负全部责任。我们明确声明将不对由于任何人使用或依赖本文件所含任何信息而导致的或与此相关的直接或间接遭受或者产生的任何损失、损害或伤害承担责任。本文件不应视作我们对任何非埃克森美孚产品或工艺的认可, 并且我们明确否认任何相反的含意。“我们”、“我们的”、“埃克森美孚化工”埃克森美孚产品方案业务”等词语均为方便而使用, 埃克森美孚产品方案业务公司、埃克森美孚公司, 或由它们直接或间接控制的任何关联公司中的一家或者多家。

exxonmobilchemical.com