

# CHAMPION E-PULSE MULTI E-ATF FLUID

*This is a new generation E-motor and transmission fluid for use with battery electric vehicles (BEV).*

## APPLICATIONS

*Specifically designed for transmission applications in wet motor battery electric vehicles (BEV).*

## FEATURES

*Optimum electrical properties: allowing high voltages applications.*

*Excellent wear and gear protection: even at ultra-low viscosity.*

*Outstanding material compatibility: even with newer materials.*

## SPECIFICATIONS

<b>TESLA</b>	EDF-2 [1616951-04-A]	<b>VW</b>	G 053 013
<b>TESLA</b>	KAF 1 [1646886-04-A]		

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.837
Kinematic viscosity at 40°C	ASTM D445	mm²/s	16.3
Kinematic viscosity at 100°C	ASTM D445	mm²/s	3.92
Viscosity index	ASTM D2270		140
Pour point	ASTM D6892	°C	-57
Brookfield viscosity at -40°C	ASTM D2983	mPa.s	3800
Copper corrosion [150°C, 3h]	ASTM D130		1a
FZG [A10/16.6R/90]	CEC L-84-02 / ISO 14635-2		9.9
Cu Rating / Diss [150C, 168h]	ASTM D130 / ISO2160	./ppm	4a/57
Volume Resistivity at 80C	ASTM D1169	MΩm.m	42
DKA Oxidation at 170C, 192h [Delta KV100]	CEC L-48-00	%	1.7

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

### CHAMPION CHEMICALS NV

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