



ON EV Transmission Fluid W1

EV Transmission Fluid

Description

Castrol ON EV Transmission Fluid W1 is a full synthetic, high performance, high efficiency fluid for transmissions with wet e-Motors, i.e., where the e-motor operates immersed in the EV Fluid. It is an advanced EV Transmission Fluid that helps extend the life of the drivetrain system and go further¹ on a single charge. This next generation transmission fluid has specially developed, low viscosity technology that delivers low electrical conductivity, enhanced system protection and helps the e-motor run cooler enabling it to operate at high efficiency.

¹vs mass market EV factory fill fluid *Castrol EV Fluids benefits are demonstrated in bespoke testing and development.

FOR PROFESSIONAL USE ONLY

Advantages

1. Outstanding di-electrical properties:
 - low conductivity
 - high resistance
 - high breakdown voltage
2. Excellent copper corrosion protection
3. Excellent pumpability at low operating temperatures
4. Exceptional cold flow properties
5. Excellent thermal and oxidative stability
6. Exceptional temperature reduction through reduced friction
7. Very good gear protection
8. Excellent thermal properties

**please check with your vehicle manufacturer for the right type of fluid for your electric vehicle*

Typical Characteristics

Name	Method	Units	ON EV Transmission Fluid W1
Density @ 15°C, Relative	ASTM D4052	g/ml	0.842
Viscosity, Kinematic 100°C	ASTM D445	mm ² /s	5.2
Viscosity, Kinematic 40°C	ASTM D445	mm ² /s	24.6
Viscosity Index	ASTM D2270	None	149
Viscosity, Brookfield @ -20°C	ASTM D2983	mPa.s (cP)	696
Viscosity, Brookfield @ -40°C (75W)	ASTM D2983	mPa.s (cP)	6900
Pour Point	ASTM D97	°C	-45
Flash Point, COC	ASTM D92	°C	210

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