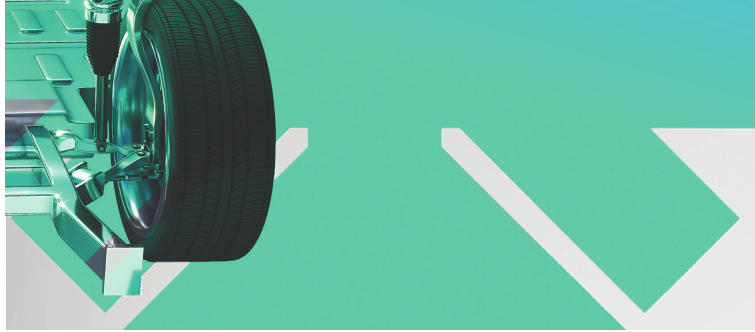


# QUARTZ

## EV FLUID



## Quartz EV-Battery D

### Ecool B230 / F23-01845

Quartz EV-Battery D is a range of dielectric fluids specifically designed for **lithium battery immersion cooling technology**. These fluids offer a high level of cooling performance allowing the cells to accept high charge currents and reduce the risk of thermal runaway propagation of a lithium battery.

### Physical characteristics

#### CUSTOMER BENEFITS



High cooling efficiency with a low volume of fluid



Provide high level of resistance to oxidation



Preserve the environment and risk of injury by an absence of fluid toxicity

		Method	Unit	Value
<b>Resistivity</b>	30°C	ASTM D1169	GΩm	> 5
	60°C			> 5
	80°C			> 5
	100°C			> 4
<b>Kinematic Viscosity</b>	-25°C	ASTM D7042	mm <sup>2</sup> /s	17
	0°C			6.3
	10°C			4.7
	20°C			3.6
	40°C			2.3
	60°C			1.7
	80°C			1.3
<b>Heat Capacity</b>	-25°C	ASTM E1269	J/(kg.K)	1750
	0°C			1850
	10°C			1809
	25°C			1890
	40°C			2010
	60°C			2080
	100°C			2250
	<b>Thermal Conductivity</b>			25°C
40°C		116		
60°C		113		
100°C		106		
<b>Density</b>	0°C	ASTM D7042	kg/m <sup>3</sup>	830
	20°C			816
	50°C			795
	80°C			774
<b>Pour Point</b>		ASTM D97	°C	< -50
<b>Flash Point</b>		ASTM D92	°C	> 104
<b>Auto-Inflammation Temperature</b>		ASTM E659	°C	> 218
<b>Biodegradability</b>		OECD 301/306	-	Readily Biodegradable

More data available upon request  
Samples available

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