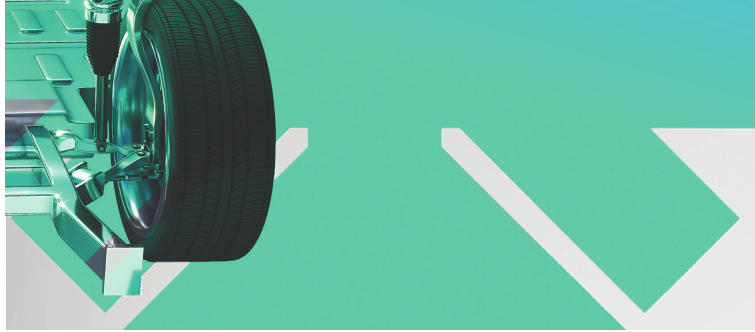


QUARTZ

EV FLUID



Quartz EV-Battery D

SCool / F20-03452

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
Resistivity	30°C	ASTM D1169	GΩm	> 5
	60°C			> 2
	80°C			> 1
Kinematic Viscosity	-25°C	ASTM D7042	mm ² /s	315
	0°C			59.0
	10°C			35.0
	20°C			19.0
	40°C			12.0
	60°C			6.8
	80°C			3.2
Heat Capacity	-25°C	ASTM E1269	J/(kg.K)	1840
	0°C			1880
	10°C			1910
	25°C			1950
	40°C			1990
	60°C			2050
	100°C			2170
Thermal Conductivity	25°C	ASTM D7896	mW/m.K	151
	40°C			147
	60°C			141
	100°C			138
Density	0°C	ASTM D7042	kg/m ³	928
	20°C			909
	50°C			898
	80°C			856
Pour Point		ASTM D97	°C	< -60°C
Flash Point		ASTM D92	°C	>220
Auto-Inflammation Temperature		ASTM E659	°C	> 350
Biodegradability		OECD 301/306	-	Readily Biodegradable

More data available upon request
Samples available

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