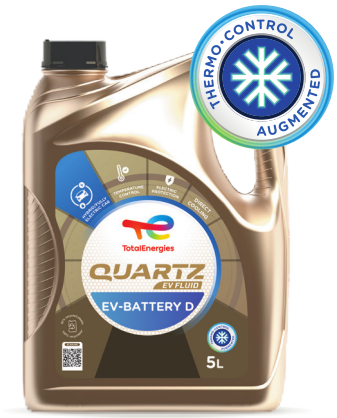
QUARTZ EV FLUID



Quartz EV-Battery D

Eco-Friendly / F20-00441

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.

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

Physical characteristics

		Method	Unit	Value
Resistivity	30°C	*ASTM D1169*	GΩm	> 5
	60°C			> 5
	80°C			> 5
	100°C			> 5
Kinematic Viscosity	-40°C	*ASTM D7042*	mm^2/s	63
	-25°C			26
	0°C			8.9
	10°C			6.4
	25°C			4.3
	40°C			3.1
	60°C			2.1
	100°C			1.2
Heat Capacity	-25°C	*ASTM E1269*	J/(kg.K)	1950
	0°C			2030
	10°C			2070
	25°C			2130
	40°C			2200
	60°C			2310
	100°C			2500
Thermal Conductivity	25°C	*ASTM D7896*	mW/m.K	135
	40°C			128
	60°C			123
	100°C			118
Density	0°C	*ASTM D7042*	kg/m^3	792
	25°C			774
	50°C			764
	100°C			723
Pour Point		*ASTM D97*	°C	< -60
Flash Point		*ASTM D92*	°C	> 125
Auto-Inflammation Temperature		*ASTM E659*	°C	> 200
Renewable Content		*ASTM D6866*	-	A (>95%)
Biodegradability		*OECD 301/306*	-	Readily Biodegradable

More data available upon request
Samples available

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