

EGEN : MOTULs Bio-sourced

MOTUL

Liquid Cooling Solution Range



EGEN DCC is the new generation of renewable, high-performance, single phase dielectric fluids for immersion cooling of electronic components in data centres.

Their low viscosity and high thermal properties optimize the cooling of electronic boards like CPUs, GPUs, memory (RAM) and storage solutions (NVME, SSD), while preserving signal integrity thanks to their excellent dielectric properties. Their high flash points protect the staff as well as the machinery, and their halogen-free formula made from renewable raw materials limits the carbon footprint. The advantages of immersion cooling such as heat reuse or PUE optimization associated with our bio sourced fluid make it an ideal solution for more sustainable data center deployment.

YOUR IMMERSION COOLING SOLUTION : EGEN DCC 100R8 & EGEN DCC 100R5

- Compatible with a wide range of materials.
- Corrosion & oxidation resistant.
- Stable in high temperature environments.

TYPICAL VALUES

Properties		Method	EGEN DCC 100R5	EGEN DCC 100R8
Viscosity (mm ² /s)	40°C	ASTM D4052	5.40	8.10
	100°C		1.80	2.50
Density	20°C		0.792	0.801
Flash point (°C)	Closed cup	ASTM D93	150	159
Specific heat capacity (J/kg.K)	40°C	ASTM D7896-19	2240	2240
	40°C		0.137	0.140
Thermal conductivity (W/(m.K))	40°C			
Dielectric constant	40°C	IEC 60247	2.06	2.07
	40°C		50	50
Volume resistivity (GOhm.m)	40°C			
	20°C	IEC 60156	25	25

FEATURES

Properties	EGEN DCC 100R5	EGEN DCC 100R8
Standout Features	<ul style="list-style-type: none"> • Renewable-based • Readily biodegradable (according to norm OECD 301B) • Low viscosity for better circulation 	<ul style="list-style-type: none"> • Renewable-based • High flashpoint • OCP compatible • Readily biodegradable (according to norm OECD 301B)

About Motul

Motul specializes in the formulation, production, and distribution of high-quality lubricants that elevate performance in multiple usages from powersport to passenger cars, heavy duty, and industrial applications. Motul has pioneered synthetic oils with its flagship 300V, the first 100% synthetic multigrade lubricant. Building on this long-term know-how, Motul is now extending its expertise to care products for cars, motorbikes and bicycles, as well as advanced fluids for the thermal management of electric vehicle batteries and digital infrastructures such as data centres, addressing the performance and sustainability challenges of tomorrow.

Founded in 1853, Motul is a global company present in 160 countries. Over the years, the brand has built a solid reputation as a trusted partner to support the performance of leading manufacturers, top motorsport teams and major championships, such as the 24 Hours of Le Mans, the WEC, MotoGP, Dakar, Goodwood, or the UCI Mountain Bike World Series. www.motul.com/corporate

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