



Unlock Efficiency with PAOs for Single Phase Immersion Cooling

In the world of cutting-edge technologies and advanced industrial applications, staying ahead of the curve is essential. Single phase immersion cooling with polyalphaolefins (PAOs) has emerged as a game-changing solution, revolutionizing a diverse range of industries.

Why PAOs for Single Phase Immersion Cooling?

Unmatched performance

PAOs, renowned for their superior thermal properties, are designed to meet the rigorous demands of data center cooling. With exceptional heat transfer capabilities, they enable data centers to efficiently operate at peak performance.

Sustainability in action

PAOs offer several environmentally friendly advantages, including zero global warming potential along with reduced water and energy consumption. They are non-conductive, non-toxic, and non-flammable, making them an eco-friendly option that minimizes environmental impact due to their extended longevity.

Reliability redefined

Say goodbye to downtime from air cooling system failures. PAOs offer stable and consistent cooling performance, ensuring data centers remain operational around the clock. Due to the heat capacity of PAOs, single phase immersion cooling can even continue to remove heat when a chilling system fails. This creates the opportunity for fast repair or safe shutdown.

Revolutionizing Data Center Cooling

PAOs, the ideal molecules for single phase immersion cooling, revolutionize the management of heat, efficiency, and sustainability across a wide range of applications, representing the ultimate choice for unmatched performance and reliability.

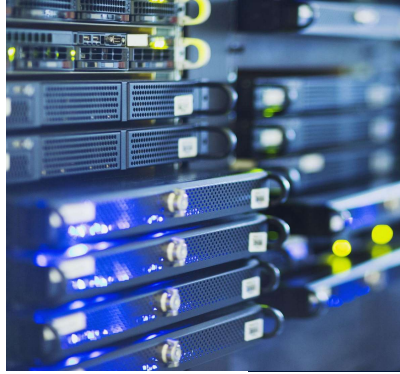
Enhanced safety

PAOs boast a significantly high flash point, ensuring a safer environment within immersion cooling systems. Their non-flammable nature minimizes the risk of fire hazards, making PAOs the ideal choice for ensuring operational safety in high-performance cooling setups.

Efficiency at its best

PAOs eliminate the need for fans and traditional air-cooling systems in data centers, resulting in reduced energy consumption and operating costs. This creates a greener and more space-efficient data center and increases energy density due to their efficient cooling properties.





Typical Durasyn[®] PAO Properties

Property	Method	162	142	143S	133
Kinematic Viscosity @ 100°C	ASTM D445	1.7	2.5	3.0	3.4
Kinematic Viscosity @ 40°C	ASTM D445	5.2	8.6	11.7	13.2
Thermal Conductivity @ 25°C (W/m.K)	ASTM D7896	0.15	0.14	0.14	0.15
Specific Heat @ 25°C (J/kg.K)	ASTM E1269	1.7	1.7	1.8	1.5
Density	ASTM D4052	0.80	0.81	0.81	0.82
Flash Point	ASTM D92	162	193	190	218

Release the Potential

Join a league of forward-thinking industries and professionals who are embracing PAOs for immersion cooling. Experience unprecedented performance, sustainability, and reliability with a technology that's shaping the future in more ways than one.

EXCLUSION OF LIABILITY

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