



AkuPure™

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Carboxymethyl Cellulose (CMC)
for lithium ion battery anodes

AkuPure

—

Nouryon

Optimize the performance of your aqueous binder system

AkuPure CMCs are specifically suited for aqueous binder systems in lithium ion battery anodes. The AkuPure range provides:

- Excellent adhesion, typically in combination with Styrene Butadiene Rubber (SBR), providing high coating quality
- Low levels of insolubles:
 - Prevents filter clogging for an efficient production process
 - Ensures a defect-free coating for optimal performance of electrodes
- Ultra high purity (>99.5) with best-in-class low levels of trace metals
- Easily dispersible free-flowing powders to facilitate easy slurry manufacturing
- Superb slurry stability and dispersion of graphite
- Excellent battery properties, such as high temperature storage stability and capacity retention

Manufactured in state-of-the-art factory

AkuPure is manufactured in a world class, safe, and reliable factory in The Netherlands, Europe.

- State of the art purification process
- Producing CMC since 1948
- Excellent track record in safety & reliability
- In-house laboratory and Quality Control
- Dedicated R&D and Application support team
- Own pilot plant facilities
- Blending and milling facilities
- Operating 24/7

Easy manufacturing Best-in-class

	AkuPure 2791	AkuPure 2795	AkuPure 2885
DS specification	0.85-1.0	0.85-1.0	0.70-0.95
Viscosity Specification*	1000-2000	1500-3000	1500-3500
Particle size	Fine (0.1 mm)	Standard (0.5 mm)	Standard (0.5 mm)
Dissolution properties	Fast dissolving, with high shear mixer	Free flowing powder, easy to disperse & dissolve	Free flowing powder, easy to disperse & dissolve
Insolubles	Best-in-class level of insolubles	Best-in-class level of insolubles	Good level of insolubles
Battery performance	Best- in-class performance	Best- in-class performance	Good performance

* Viscosity measured at 25°C, Brookfield LVT

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