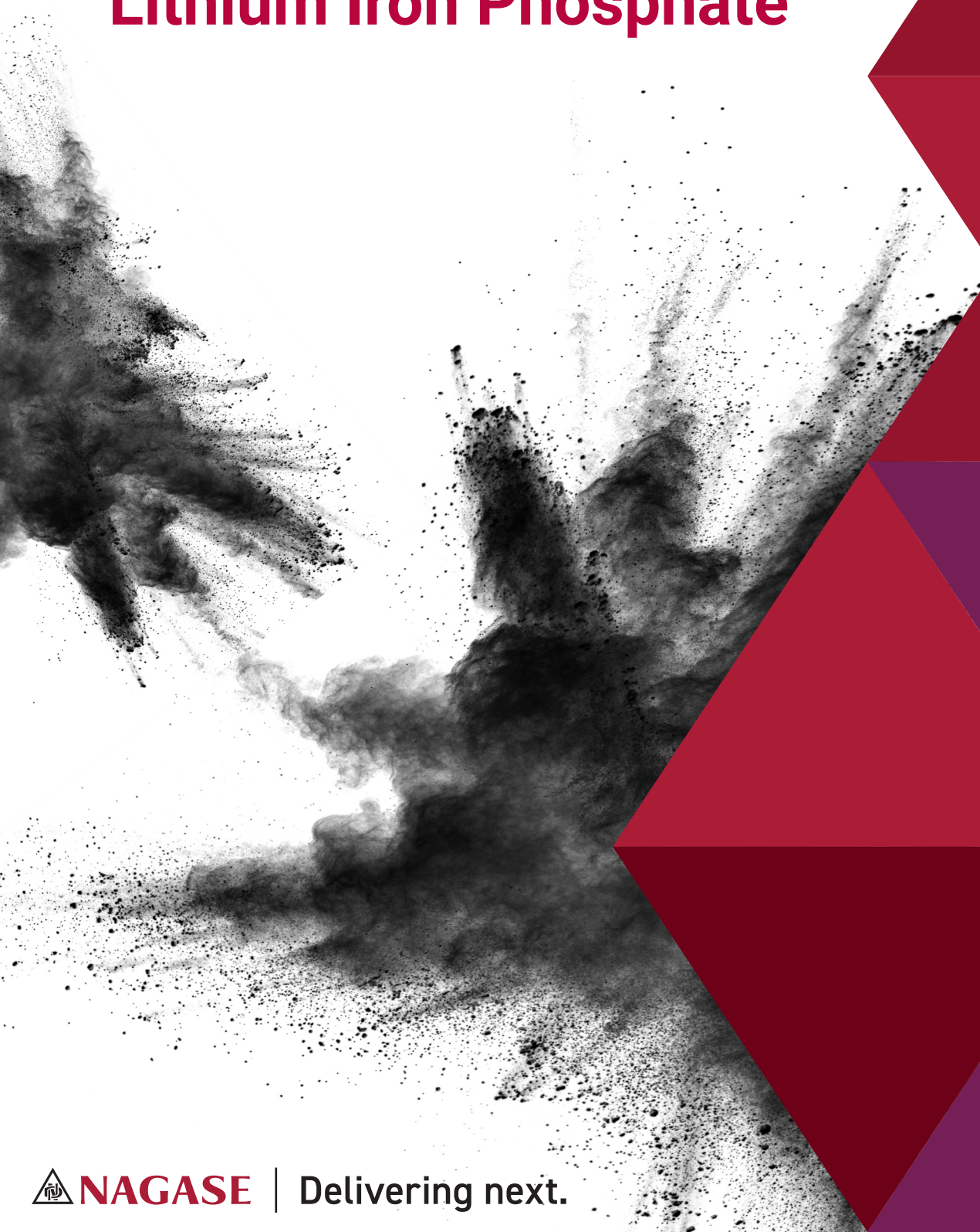




PRODUCTS FOR BATTERY

LFP Cathode Material - Lithium Iron Phosphate



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Product Description

Lithium Iron Phosphate (LiFePO₄) or commonly known as LFP, is used as a cathode material in Lithium Ion batteries. LFP batteries are one of the most widely used compositions, used in a variety of ways from electric vehicles to residential batteries to grid-scale applications.

Applications

Lithium ion cell and battery

Advantages



High charging and discharging efficiency



Long battery cycle life



High battery capacity



Environment friendly



High temperature stability



High safety rating

#	Parameters	Value
1	Appearance	Black
2	Particle Size (nm)	
	D10	117 +/- 7
	D50	180 +/- 10
	D90	285 +/- 30
3	Carbon (wt % range)	2.7 +/- 0.2
4	Surface Area (m ² /g)	28 +/- 2
5	Top Density	0.6 +/- 0.1
6	pH Value	8.3 +/- 0.5
7	Moisture	<500 ppm
8	Sieve Residue	0 %: 45 µm (450 ASTM) mesh
9	Specific capacity (mAh/g) @ C/10	154 +/- 5
10	Specific capacity @ C5 rate	152 +/- 5
11	Specific capacity @ IC rate	144 +/- 5



For more information please reach out to mobility@nagase.eu

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