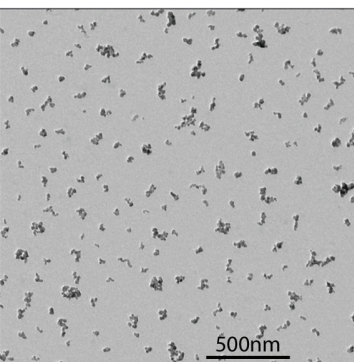


## PBX51 Performance Carbon for VRLA Batteries



A performance carbon black designed to enable high cycleability and charge acceptance, PBX51 meets the demands of valve regulated lead acid (VRLA) batteries for fuel efficient “start-stop” vehicles and in electricity storage applications. PBX51 delivers up to 75% improvement in Dynamic Charge Acceptance (DCA) and up to 20 times better cycleability – or longer life – when added to the negative plate mix.

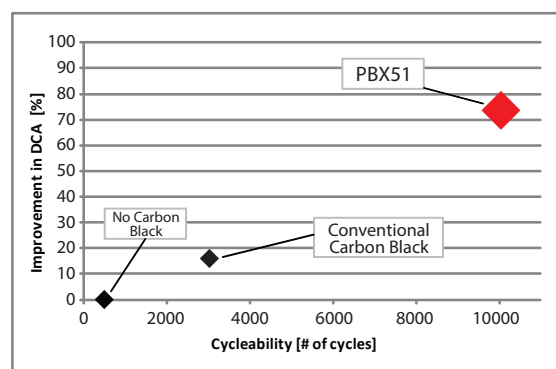
### The benefits of incorporating PBX51 into your negative mix:

- Reduces negative plate sulfation – Prolongs battery life
- Enables high charge acceptance – Meets the demands of multiple charge/discharge cycles
- Delivers high cycle life at high rate partial state of charge conditions – Ensures longer battery life
- Easy incorporation – Lowers costs, improves performance

### Applications

- Micro hybrid vehicles
- Electricity storage

For more information email:  
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When tested at 1wt% in the Negative Active Mass (NAM) of VRLA cells, PBX51 delivers up to 75% improvement in Dynamic Charge Acceptance (DCA) and up to 20 times better cycleability vs. control electrode with no carbon.

### Typical Values

Property	Test Method	Unit	Value
BET Nitrogen surface area	ASTM D6556	m <sup>2</sup> /g	1300 – 1550
OAN	ASTM D2414	ml/100g	140 – 200
Iron	Internal method	ppm	<40
Total Co, Cr, Cu, Fe, Mn, Ni	Internal method	ppm	<50

### General Characteristics

Formula:	Carbon
Aspect:	Carbon black pellets
CAS number:	1333-86-4

### Standard Packaging

15kg bags

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