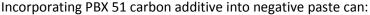


# PBX® 51 CARBON ADDITIVE

# Performance additives for advanced lead acid batteries

PBX 51 carbon additive can be used in applications where superior dynamic charge acceptance is the primary performance requirement. PBX 51 carbon additive can meet the needs of valve regulated lead acid batteries for fuel efficient start-stop vehicles and in grid storage applications. Typical usage for most applications is 0.25 - 0.5%.



- Reduce negative plate sulfation
- Enable superior dynamic charge acceptance, meeting the demands of multiple charge / discharge cycles
- Deliver high life cycle at partial state-of-charge conditions, helping to ensure longer battery life

# **Battery applications**

- Micro-hybrid vehicles
- Mild-hybrid vehicles
- Motive
- Energy storage systems (ESS)
- E-bikes

TYPICAL PROPERTIES		
PROPERTY	VALUES	TEST METHOD
BET Nitrogen surface area (m²/g)	1300 - 1550	ASTM D6556
Oil Adsorption Number (OAN) (ml/100g)	140 - 200	ASTM D2414
Iron (ppm)	<50	CTM*
Total Co, Cr, Cu, Fe, Mn, Ni (ppm)	<60	CTM*

<sup>\*</sup>CTM – Cabot Test Method based on international standards

The data in the table above are typical test values intended as guidance only, and are not product specifications. Product specifications are available upon request from your Cabot representative.



# PBX® 51 CARBON ADDITIVE

## **General characteristics**

Formula: carbon

 Aspect: carbon black pellets CAS number: 1333-86-4

# **Product form and logistics**

Product form: powder · Regional availability: global Packaging size: 8 kg bags

For more information contact battery.materials@cabotcorp.com.

For information on product-specific storage conditions, please refer to the applicable Safety Data Sheet (SDS) available from your Cabot representative or at cabotcorp.com.

The PBX name is a registered trademark of Cabot Corporation.

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