

## Acetylene Black -03

### Description

High purity Acetylene Black grades in powder form with structural and conductive properties that make them ideal for applications including batteries, fuel cells, electronics, rubber, silicone, conductive coatings, adhesives, sealants, automotive, aerospace, wire & cable.

### Properties

SPECIFICATION PROPERTIES	AB50%-03	AB75%-03	AB100%-03
Ash Content, wt%	≤0.3	≤0.3	≤0.2
Grit (325 sieve), wt%	≤0.02	≤0.02	≤0.02
Moisture, wt%	≤0.40	≤0.40	≤0.30
Electrical Resistivity, ohm-cm	≤0.30	≤0.30	≤0.30
pH Value	6.5 - 10	7 - 9.5	6.5 - 9.5
Oil Absorption Number (OAN), mL/100g	240 - 285	215 - 245	220 - 280
TYPICAL PROPERTIES			
Acetone Absorption, mL/5g	≥17.0	≥17.0	≥17.0
Hydrochloric Acid Absorption Number, mL/g	≥3.80	≥3.00	≥2.80
Carbon Content, %	≥99.5	≥99.5	≥99.5
Iodine Absorption Number, g/kg	80 - 100	80 - 100	80 - 100
Bulk Density, g/L	58.8 - 76.9	83.3 - 111.1	111.1 - 142.9
BET Surface Area, m <sup>2</sup> /g	90	90	90
Mean Particle Size, nm	40	40	40

### Packaging

Available in paperbags and polybags.

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