

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	ABHC2-03 (high conductivity)
Ash Content, wt%	≤0.1	≤0.1	≤0.1	≤0.05
Grit (325 sieve), wt%	≤0.02	≤0.02	≤0.02	≤0.02
Moisture, wt%	≤0.30	≤0.30	≤0.30	≤0.20
Electrical Resistivity, ohm-cm	≤0.20	≤0.20	≤0.20	≤0.25
pH Value	6.5 - 10	7 - 9.5	6.5 - 9.5	9 - 10
Acetone Absorption ml/5g	28 - 37	26 - 30	>19	30 - 35
Oil Absorption Number (OAN), ml/100g	240 - 285	215 - 245	220 - 280	290 - 320
TYPICAL PROPERTIES				
Hydrochloric Acid Absorption Number, ml/g	4.3	3.9	3.8	--
Carbon Content, %	≥99.5	≥99.5	≥99.5	≥99.5
Iodine Absorption Number	100	100	100	80
Tapped Density, g/ml	90 - 110	140 - 160	135 - 160	80 - 110
BET Surface Area, m ² /g	90	90	90	68
Iron Content, ppm	--	--	--	≤10
Mean Particle Size, nm	40	40	40	40

Packaging

Available in paperbags and polybags.

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