

Acetylene Black -01

Description

High purity Acetylene Black grades in powder form with structural and electrical properties that make it ideal for a variety of applications such as batteries, conductive coatings, and rubber compounds.

Properties

SPECIFICATION PROPERTIES	AB 50%-01	AB 75%-01	AB 100%-01	AB50%C-01 (high conductivity)
Ash Content, wt%	<0.05	<0.1	<0.5	<0.1
Grit (325 sieve), wt%	<0.03	<0.01	<0.05	<0.03
Moisture, wt%	<0.08	<0.2	<0.2	<0.2
Electrical Resistivity, ohm-cm	≤0.25	≤0.25	≤0.25	≤0.25
pH Value	6-8	6-8	6-8	6-8
Acetone Absorption ml/5g	33 - 36	27.5 - 30.5	>14	29.5 - 32.5*
Oil Absorption Number (OAN), ml/100g	270 - 325	250 - 300	187 - 202	330-400
TYPCIAL PROPERTIES				
Hydrochloric Acid Absorption Number, ml/5g	22	18	15	21*
Iodine Absorption Number mg/g	81	97	91	130
Iron Content, ppm	<10	<10	<10	<10
Mean Particle Size, nm	25 - 45	25 - 45	25 - 45	25 - 45
BET Surface Area, m ² /g	60 - 80	60 - 80	60 - 80	100 - 120
Bulk Density, g/ml	0.090 - 0.120	0.14 - 0.18	0.17 - 0.23	0.05 - 0.09

*ml/3g

Packaging

Available in powder form

AB 50%-01 available in 33 lb paperbags

AB 100%-01 available in 25 lb poly or paperbags

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