

Acetylene Black - 01

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	Method	AB 50%	AB 75%	AB 100%	ABHC (high conductivity)
Ash Content, wt%	ASTM D1506-99	<0.05	<0.05	<0.05	<0.05
Grit (325 sieve), wt%	ASTM D1514-01	<0.03	<0.01	<0.05	<0.03
Moisture, wt%	ASTM D1509-95	<0.08	<0.2	<0.2	<0.2
Electrical Resistivity, ohm-cm	INTERNAL	≤0.25	≤0.25	≤0.25	≤0.25
pH Value	ASTM D1512-15b	7-10	7-10	7-10	7-10
Acetone Absorption ml/5g	INTERNAL	33 - 37	27 - 33	17-23	48-54
Oil Absorption Number (OAN), ml/100g	ASTM D2414-16	310-340	240 - 280	190 - 230	330 - 390
TYPICAL PROPERTIES					
Hydrochloric Acid Absorption Number, ml/g		4.4	4.5	3	7
Carbon Content, %		99.9	99.9	99.9	99.9
Iodine Absorption Number mg/g	ASTM D1510	81	97	91	130
Tapped Bulk Density, g/L	INTERNAL	95-105	110-150	160-190	65-75
Average BET Surface Area, m ² /g		70	70	70	110
Primary Mean Particle Size, nm		35 - 40	35 - 40	35 - 40	35 - 40

Packaging

Available in paperbags, polybags, and super sacks.

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