

# PRINTEX® kappa 100 PWD

## Product Information

0603

### Physico-Chemical Properties

Parameter	Method	Unit	Value
OAN Oil Absorption Number	following ASTM D 2414	ml /100 g	310
BET Surface Area	following ASTM D 6556	m <sup>2</sup> /g	65
Ash Content	following ASTM D 1506	%	<0.05
Moisture Content (as packed)	following Orion Method	ppm	<500
Sieve residue 45 µm	following ASTM D 1514	ppm	<5
Iron content	following Orion Method	ppm	<5

### 1. General Description

Acetylene Black, produced by the thermal exothermic decomposition of acetylene gas leading to pure grades with morphologies exhibiting high conductivity

### 2. Chemical Description

Industrially produced Specialty Carbon Black

### 3. Application

Lithium-ion battery, Lead-acid battery, Fuel Cell, Conductive Coating, etc.

### 4. Other heavy metal Impurity

Parameter	Unit	Value
As, Cd, Co,Cr, Cu, Mn, Ni, V,	ppm	Sum <5

Those values are typical impurity levels that can be expected. They are not part of any specification.

### 6. Forms of Supply

Powder, available in small paper bags

### 7. Storage Conditions

The high surface area of Specialty Carbon Blacks bears the inherent risk of adsorption of vapors and/or gases, which in turn impacts the product's application relevant properties. It is therefore recommended to always store Specialty Carbon Blacks out of reach of potential contaminants and sources of contamination. Storage temperatures should not exceed 50 °C.

Carbon Black should be stored under cool and dry conditions. Please refer to our Product Safety Data Sheet. Densification or adsorption processes etc. may adversely affect the product's application relevant properties. This also applies to storage in silos or other closed containers.

### 8. Technical Literature

Technical literature on the use of Specialty Carbon Blacks can be ordered from the contact information on the backside.



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OEC-PI 0603-12/2018