

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 ² /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 specific tion.

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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OE-PI 0603-12/2018