

PŘÍLOHA 1



Product Data Sheet 280H

General Product Description

	Min	Max	Target
%+325 Mesh (44 Micron)	98	100	<input type="checkbox"/>
%Carbon (LOI)	96	100	<input type="checkbox"/>

Type: Sri Lankan

Typical Analysis

(U.S. Standard Test Sieves)

%Carbon (LOI)	97.01
%Moisture	0.25
%+270 Mesh (53 Micron)	0.35
%+325 Mesh (44 Micron)	0.83
%-325 Mesh (44 Micron)	98.72
Scott Volume: g/in ³	5.32

Test Methods

CARB	E4-1
MOIS	E4-7
SC	E2-2
WT	E3-2

The PDS lists percentages which are only guaranteed following specific agreement between Asbury and the customer. They are listed here only to indicate approximate physical and chemical analysis. Purchasers should thoroughly test and independently verify satisfactory results before application. The user assumes the risk and liability for loss, damage, or injury arising from the application of the goods furnished.

UNCONTROLLED DOCUMENT: Prior to placing an order based on this PDS, contact the Asbury Sales Department to confirm that the information contained herein is current.

Revision Level: ISSUE

Revision Date:

10/4/1993

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PŘÍLOHA 2



TECHNICAL DATA SHEET



SUPER C65

Conductive Carbon Black as Conductive Additive for Lithium-Ion Batteries

General Characteristics

Formula: Carbon
Aspect: Fine black powder
CAS number: 1333-86-4

Standard Packaging

7.5 kg multiply paperbags, 46 bags on one pallet (345 kg net)
(10 pallets in 20 ft. ctr. and 20 pallets in 40 ft. ctr.)

Guaranteed Values

Property	Test Method	Unit	Value
Volatile Content (1)	Internal Method 02	%	0.15 max
Toluene Extract	ASTM D4527-99	%	0.1 max
Ash content (600 °C)	ASTM D1506-99	%	0.025 max
Grit content >45 microns	ASTM D1514-04	ppm	5 max
Grit content >20 microns	ASTM D1514-04	ppm	25 max
Iron (total)	Internal Method 20	ppm	7 max

Typical Values

Property	Test Method	Unit	Value
BET Nitrogen surface area	ASTM D3037-89	m ² /g	62
Absorption stiffness value (2)	Internal Method 01	ml/5g	32
Moisture (as packed)	ASTM D1509-95	%	0.1
Density (in the bag)	Internal Method 26	kg/ m ³	160
Sulphur Content	ASTM D1619-03	%	0.02
Iron (3)	Internal Method 20	ppm	2
Nickel (3)	Internal Method 20	ppm	1
Vanadium (3)	Internal Method 20	ppm	<1
Chromium (3)	Internal Method 20	ppm	<1
Copper (3)	Internal Method 20	ppm	<1
Ash content (600 °C)	ASTM D1506-99	%	0.01
pH	ASTM D1512-05	-	10
Grit content >45 microns	ASTM D1514-04	ppm	<2
Grit content >20 microns	ASTM D1514-04	ppm	12

(1) Weight loss during heating between 105 and 950°C

(2) Water with 10% acetone on 5 g carbon

(3) Induced Coupled Plasma Measurement

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Version 11/09

This product is in compliance with the EC Directive 2002/95/CE (Restriction Of Hazardous Substances, ROHS).

The information contained herein is believed to be correct. However, no warranty is made, either expressed or implied regarding the accuracy or the results to be obtained from the use of such information.

The user assumes all risk and liability for loss, damage or injury to property or others resulting from the use of the material.

No statement is intended or should be construed as recommendation to infringe any existing patent.

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PŘÍLOHA 3



Product Data Sheet 3775

General Product Description

	Min	Max	Target
%Carbon (LOI)	97	100	<input type="checkbox"/>
%Moisture	0	1	<input type="checkbox"/>
MT%50 (Microns)	5	10	<input type="checkbox"/>
Surface Area m2/g	20		<input checked="" type="checkbox"/>

Type: Surface Enhanced Flake Graphite

Typical Analysis

(U.S. Standard Test Sieves)

%Carbon (LOI)	97.96
%Moisture	0.32
%Sulfur	0.07
%+325 Mesh (44 Micron)	0.01
%-325 Mesh (44 Micron)	99.99
MT%10 (Microns)	3.1
MT%50 (Microns)	8.04
MT%90 (Microns)	18.13
Surface Area m2/g	23.7

Test Methods

Carbon	E4-1
Microtrac	E3-5B
Moisture	E4-7
Sieve Analysis	E2-3
Sulfur	E4-9
Surface Area	E36/9

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