

Ketjenblack EC-600JD

Electroconductive carbon black

Pure electroconductive carbon black extremely suitable for antistatic and electroconductive applications.

CAS number
1333-86-4

EINECS/ELINCS No.
215-609-9

TSCA status
listed on inventory

Specifications

Apparent bulk density	100-120 kg/m ³
Appearance	Black free-flowing pellets
Ash	≤0.1 %
Fines <125 micron	≤7 %
Grit content	≤30 mg/kg
Iodine absorption	1000-1100 mg/g
Moisture	≤0.5 %
pH	9.0-10.5
Pore volume, DBP	480-510 ml/100g
Volatiles	≤1.0 %

Applications

Ketjenblack EC-600JD is a very pure carbon black extremely suitable for antistatic and electroconductive applications. Due to its unique morphology and the extremely high surface area of approx. 1400 m²/g (BET), only one sixth the amount of Ketjenblack EC600-JD is needed compared to conventional electroconductive blacks in order to achieve the same conductivity. The extreme low loading of Ketjenblack EC600-JD allows easier processing for those compounds sensitive to filler addition, thus minimizing loss in mechanical and rheological properties. Ketjenblack EC-600JD when thoroughly dispersed with the polymer significantly increases the conductivity of the resulting compound.

Storage

Nouryon recommends to store Ketjenblack EC-600JD in a dry place away from direct sunlight. The packaging can be damaged if exposed to direct sunlight for more than 30 minutes.

Note

When stored under these recommended storage conditions, Ketjenblack EC-600JD will remain within the Nouryon specifications for a period of at least 12 months after delivery.

Packaging and transport

The standard packaging is 8 kg net in a vented PE bag. The vent consists of a small plastic valve which contains HDPE, NBR and cellulosic parts, which are not readily dispersed during compounding. Due to this we strongly advice not to put the Ketjenblack EC-600JD including the bag into the mixing system. A full pallet carries 320 kg net. Both packaging and transport meet the international regulations. For the availability of other packed quantities contact your Nouryon representative. Ketjenblack EC-600JD is classified as a non-hazardous good according to national and international transport regulations.

Safety and handling

Please refer to the Safety Data Sheet (SDS) for further information on the safe storage, use and handling of Ketjenblack EC-600JD. This information should be thoroughly reviewed prior to acceptance of this product. The SDS is available at <https://polymerchemistry.nouryon.com>.

All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Nouryon, however, makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nouryon does not accept any liability whatsoever arising out of the use of or reliance on this information, or out of the use or the performance of the product. Nothing contained herein shall be construed as granting or extending any license under any patent. Customer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes. The information contained herein supersedes all previously issued information on the subject matter covered. The customer may forward, distribute, and/or photocopy this document only if unaltered and complete, including all of its headers and footers, and should refrain from any unauthorized use. Don't copy this document to a website.

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