



PRODUCT-INFORMATION

1. Product Name

MECHANO-COND® 5VP3

Carbon black

CAS Nr. 1333-86-4

EINECS Nr. 245-609-9

C.I. Pigment black 7

2. Product Description

MECHANO-COND® 5VP3 is a electrical conductive and color strength carbon black pigment. It is easy to disperse with common facilities and easy to incorporate in polymers. Reinforcing properties has been shown in some elastomers like SBR, NBR and natural rubber. MECHANO-COND® 5VP3 is available as dust reduced micro granules.

3. Applications

- Coloring of paints and coatings.
- Production of toners and ink jet inks.
- Coloring of plastics (Masterbatch und Compounds)
- Pigment for pulp and paper
- Pigment for concrete
- Mechanical reinforcing of elastomers (rubber)
- Electrical conductive coatings and Polymers



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4. Technical Data

| PROPERTY | Target | Unit | Refer to ASTM Test Method |
|---------------------------------------|----------|-------------------|---------------------------|
| Iodine adsorption | 82 ± 5 | mg/g | ASTM D 1510 |
| Oil absorption | 102 ± 5 | ml/100g | ASTM D 2414 |
| Pour density, pelletized carbon black | 380 ± 30 | kg/m ³ | ASTM D 1513 |
| pH value, suspended in water | 7-10 | | ASTM D 1512 |
| Heating loss at 125°C | 1.0 | % | ASTM D 1509 |
| Ash content max. | 0.45 | % | ASTM D 1506 |
| Sieve residue: 0.045 max. 0.02 | 0.02 | % | ASTM D 1514 |
| Sulphur content max. | 1.1 | % | ASTM D 1619 |

Information provided on this technical data sheet indicates the approximate physical and chemical properties of the material. No warranty is made either expressed or implied regarding the accuracy or the results to be obtained from the use of such information.