



Technical data sheet

Deltacom POM 5448-EC2

Electrically conductive compound based on Polyoxymethylene (POM)

| General properties | Method | Unit | Value |
|------------------------------|------------------------|-------------------|---------------------|
| MFR 190 °C/ 5 Kg | ISO 1133 | g/10 min | 0,3 – 0,6 |
| Density | ISO 1183 | g/cm ³ | 1,30 – 1,35 |
| Moisture | internal method | % | ≤ 0,2 |
| Mechanical Properties | | | |
| Tensile Modulus | ISO 527 | N/mm ² | ≥ 900 |
| Yield strength | ISO 527 | N/mm ² | ≥ 15 |
| Strain at Yield | ISO 527 | % | ≥ 6 |
| Strain at break | ISO 527 | % | ≥ 6 |
| Notched Impact | ISO 179 | kJ/m ² | 2 – 5 |
| Electrical Properties | | | |
| Surface resistivity | according to IEC 61340 | Ohm | ≤ 100 |
| Surface resistivity | according to IEC 61340 | Ohm | ≤ 1*10 ² |

| Processing | Extrusion |
|----------------------|------------------------------------|
| Cylinder temperature | 180 – 210 °C |
| Storage/ Drying | Drying is recommended (80 °C, 4 h) |

Delivery form/ Packaging/ Storage conditions

Delivery as lenses- or cylinder granules, with a length of approx. 3 mm in polyethylene bags of 25 kg, big bags of 1.000 kg, octabins or in road tanker. As delivered, the packaging is suitable for storage stability of up to 12 months as long as the containers are undamaged and originally closed. Containers should be stored in a dry, frost-free location.

Application

Electrical conductive wear-resistant articles of high precision, e.g.: gears, keyboards, counters.

Regulatory requirements

| | |
|----------------|---|
| REACH and RoHS | The product is in accordance with regulation 1907/2006/EC (REACH) and RoHS 2015/683/EU. |
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Please note:

The information provided in this datasheet is based on our current knowledge and experience and that of our suppliers. Due to the many variables (e.g. processing conditions, dosage, cleaning, printing etc.) we are unable to offer specific warranties on the use of our product in a specific application. No warranty should be taken or inferred and we recommend that the end user perform their own tests to verify suitability for use. It is incumbent on the end user to establish conformity of the end product with local and international regulations and standards. For further information, please contact the company through your usual representative, Delta Kunststoffe AG – Industriestraße 44 – DE-47652 Weeze – Telefon + 49 (0) 2837 1051-0 – www.delta-kunststoffe.de – info@delta-kunststoffe.de

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