

# KEBAFORM® C 902 CF

Acetal (POM) Copolymer

BARLOG plastics GmbH

## Message:

POM Copolymer, carbon fiber reinforced, electr. conductive

| General Information                               |                                    |                   |                      |
|---------------------------------------------------|------------------------------------|-------------------|----------------------|
| Filler / Reinforcement                            | Carbon Fiber, 10% Filler by Weight |                   |                      |
| Features                                          | Electrically Conductive            |                   |                      |
| Resin ID (ISO 1043)                               | POM-CF10                           |                   |                      |
| Physical                                          | Nominal Value                      | Unit              | Test Method          |
| Density                                           | 1.43                               | g/cm <sup>3</sup> | ISO 1183             |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)         | 12                                 | g/10 min          | ISO 1133             |
| Mechanical                                        | Nominal Value                      | Unit              | Test Method          |
| Tensile Modulus                                   | 6600                               | MPa               | ISO 527-2            |
| Tensile Stress (Break)                            | 80.0                               | MPa               | ISO 527-2            |
| Tensile Strain (Break)                            | 4.0                                | %                 | ISO 527-2            |
| Impact                                            | Nominal Value                      | Unit              | Test Method          |
| Charpy Notched Impact Strength (23°C)             | 4.5                                | kJ/m <sup>2</sup> | ISO 179/1eA          |
| Thermal                                           | Nominal Value                      | Unit              | Test Method          |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 160                                | °C                | ISO 75-2/A           |
| Melting Temperature <sup>1</sup>                  | 166                                | °C                | ISO 11357-3          |
| Electrical                                        | Nominal Value                      | Unit              | Test Method          |
| Surface Resistivity                               | 1.0E+4                             | ohms              | IEC 60093            |
| Volume Resistivity                                | 1.0E+7                             | ohms · cm         | IEC 60093            |
| Flammability                                      | Nominal Value                      | Unit              | Test Method          |
| Flammability Classification                       | HB                                 |                   | IEC 60695-11-10, -20 |
| NOTE                                              |                                    |                   |                      |
| 1.                                                | 10°C/min                           |                   |                      |

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