

# KEBAFORM® C 904 CF

Acetal (POM) Copolymer

BARLOG plastics GmbH

## Message:

POM Copolymer, carbon fiber reinforced, electr. conductive

| General Information                               |                                   |                   |             |
|---------------------------------------------------|-----------------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Carbon Fiber,20% Filler by Weight |                   |             |
| Features                                          | Electrically Conductive           |                   |             |
| Resin ID (ISO 1043)                               | POM-CF20                          |                   |             |
| Physical                                          | Nominal Value                     | Unit              | Test Method |
| Density                                           | 1.46                              | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)         | 3.5                               | g/10 min          | ISO 1133    |
| Mechanical                                        | Nominal Value                     | Unit              | Test Method |
| Tensile Modulus                                   | 15000                             | MPa               | ISO 527-2   |
| Tensile Stress (Break)                            | 115                               | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 4.5                               | %                 | 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 |
| Charpy Unnotched Impact Strength (23°C)           | No Break                          |                   | ISO 179/1eU |
| Thermal                                           | Nominal Value                     | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 162                               | °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+2                            | ohms              | IEC 60093   |
| Volume Resistivity                                | 1.0E+6                            | ohms · cm         | IEC 60093   |
| NOTE                                              |                                   |                   |             |
| 1.                                                | 10°C/min                          |                   |             |

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