

# KEBAFLOW® LCP HF130

Liquid Crystal Polymer

BARLOG plastics GmbH

## Message:

LCP, 30% glass fiber reinforced, HDT ~300°C

| General Information                                 |                                  |                   |                      |
|-----------------------------------------------------|----------------------------------|-------------------|----------------------|
| Filler / Reinforcement                              | Glass Fiber,30% Filler by Weight |                   |                      |
| Resin ID (ISO 1043)                                 | LCP-GF30                         |                   |                      |
| Physical                                            | Nominal Value                    | Unit              | Test Method          |
| Density                                             | 1.62                             | g/cm <sup>3</sup> | ISO 1183             |
| Molding Shrinkage                                   |                                  |                   | ISO 294-4            |
| Across Flow                                         | 0.46                             | %                 |                      |
| Flow                                                | 0.16                             | %                 |                      |
| Water Absorption (Saturation, 23°C)                 | 0.040                            | %                 | Internal Method      |
| Mechanical                                          | Nominal Value                    | Unit              | Test Method          |
| Tensile Modulus                                     | 14000                            | MPa               | ISO 527-2            |
| Tensile Stress (Break)                              | 136                              | MPa               | ISO 527-2            |
| Tensile Strain (Break)                              | 1.5                              | %                 | ISO 527-2            |
| Thermal                                             | Nominal Value                    | Unit              | Test Method          |
| Heat Deflection Temperature (1.8 MPa, Unannealed)   | 305                              | °C                | ISO 75-2/A           |
| Electrical                                          | Nominal Value                    | Unit              | Test Method          |
| Surface Resistivity                                 | 1.0E+15                          | ohms              | IEC 60093            |
| Volume Resistivity                                  | 1.0E+15                          | ohms·cm           | IEC 60093            |
| Flammability                                        | Nominal Value                    | Unit              | Test Method          |
| Flammability Classification <sup>1</sup> (0.800 mm) | V-0                              |                   | IEC 60695-11-10, -20 |
| NOTE                                                |                                  |                   |                      |
| 1.                                                  | UL Registered                    |                   |                      |

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