

# KEBATRON® PPS L1040G3

Polyphenylene Sulfide

BARLOG plastics GmbH

## Message:

PPS, linear, 40% glass fiber reinforced

| General Information                                 |                                  |          |                      |
|-----------------------------------------------------|----------------------------------|----------|----------------------|
| Filler / Reinforcement                              | Glass Fiber,40% Filler by Weight |          |                      |
| Features                                            | Linear Polymer Structure         |          |                      |
| Resin ID (ISO 1043)                                 | PPS-GF40                         |          |                      |
| Physical                                            | Nominal Value                    | Unit     | Test Method          |
| Density                                             | 1.65                             | g/cm³    | ISO 1183             |
| Water Absorption (Saturation, 23°C)                 | 0.020                            | %        | Internal Method      |
| Mechanical                                          | Nominal Value                    | Unit     | Test Method          |
| Tensile Modulus                                     | 14500                            | MPa      | ISO 527-2            |
| Tensile Stress (Break)                              | 170                              | MPa      | ISO 527-2            |
| Tensile Strain (Break)                              | 1.5                              | %        | ISO 527-2            |
| Impact                                              | Nominal Value                    | Unit     | Test Method          |
| Charpy Notched Impact Strength (23°C)               | 10                               | kJ/m²    | ISO 179/1eA          |
| Charpy Unnotched Impact Strength (23°C)             | 40                               | kJ/m²    | ISO 179/1eU          |
| Thermal                                             | Nominal Value                    | Unit     | Test Method          |
| Heat Deflection Temperature (1.8 MPa, Unannealed)   | 265                              | °C       | ISO 75-2/A           |
| Melting Temperature <sup>1</sup>                    | 285                              | °C       | ISO 11357-3          |
| CLTE - Flow                                         | 2.2E-5                           | cm/cm/°C | ISO 11359-2          |
| Flammability                                        | Nominal Value                    |          | Test Method          |
| Flammability Classification <sup>2</sup> (0.800 mm) | V-0                              |          | IEC 60695-11-10, -20 |
| NOTE                                                |                                  |          |                      |
| 1.                                                  | 10°C/min                         |          |                      |
| 2.                                                  | UL Registered                    |          |                      |

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