

## Barlog Plastics KEBAFORM C 901 LF POM Copolymer unreinforced, improved wear and friction

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

### Material Notes:

POM Information provided by BARLOG plastics GmbH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Barlog-Plastics-KEBAFORM-C-901-LF-POM-Copolymer-unreinforced-improved-wear-and-friction.php](http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBAFORM-C-901-LF-POM-Copolymer-unreinforced-improved-wear-and-friction.php)

| Physical Properties                | Metric                                              | English                                             | Comments               |
|------------------------------------|-----------------------------------------------------|-----------------------------------------------------|------------------------|
| Density                            | 1.37 g/cc                                           | 0.0495 lb/in <sup>3</sup>                           | ISO 1183               |
| Moisture Absorption at Equilibrium | 0.20 %                                              | 0.20 %                                              | similar to ISO 62 test |
| Melt Flow                          | 10 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 10 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ISO 1133               |

| Mechanical Properties   | Metric                  | English                    | Comments    |
|-------------------------|-------------------------|----------------------------|-------------|
| Tensile Strength, Yield | 57.0 MPa                | 8270 psi                   | ISO 527-1   |
| Elongation at Yield     | 9.0 %                   | 9.0 %                      | ISO 527-1   |
| Tensile Modulus         | 2.30 GPa                | 334 ksi                    | ISO 527-1   |
| Charpy Impact Unnotched | NB                      | NB                         | ISO 179-1eU |
| Charpy Impact, Notched  | 0.500 J/cm <sup>2</sup> | 2.38 ft-lb/in <sup>2</sup> | ISO 179-1eA |

| Thermal Properties                          | Metric | English | Comments                 |
|---------------------------------------------|--------|---------|--------------------------|
| Melting Point                               | 166 °C | 331 °F  | 10°C/min; ISO 11357-1/-3 |
| Deflection Temperature at 1.8 MPa (264 psi) | 110 °C | 230 °F  | ISO 75-1/-2              |
| Flammability, UL94                          | HB     | HB      | IEC 60695-11-10          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Resin Type             | POM   |          |

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