

Barlog Plastics KEBAFORM C 90 W POM Copolymer unreinforced, drinking water approved

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-90-W-POM-Copolymer-unreinforced-drinking-water-approved.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--|--|-----------|
| Density | 1.41 g/cc | 0.0509 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.020 cm/cm | 0.020 in/in | ISO 294-4 |
| Linear Mold Shrinkage, Transverse | 0.020 cm/cm | 0.020 in/in | ISO 294-4 |
| Melt Flow | 9.0 g/10 min @Load 2.16 kg, Temperature 190 °C | 9.0 g/10 min @Load 4.76 lb, Temperature 374 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|-------------------------|----------------------------|-------------|
| Tensile Strength, Yield | 64.0 MPa | 9280 psi | ISO 527-1 |
| Elongation at Yield | 9.0 % | 9.0 % | ISO 527-1 |
| Tensile Modulus | 2.70 GPa | 392 ksi | ISO 527-1 |
| Charpy Impact Unnotched | NB | NB | ISO 179-1eU |
| Charpy Impact, Notched | 0.700 J/cm ² | 3.33 ft-lb/in ² | 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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