

Barlog Plastics KEBAFORM C 90 M POM Copolymer unreinforced, optimized crystallization

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-M-POM-Copolymer-unreinforced-optimized-crystallization.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 | 62.0 MPa | 8990 psi | ISO 527-1 |
| Elongation at Break | 70 % | 70 % | ISO 527-1 |
| Tensile Modulus | 2.70 GPa | 392 ksi | ISO 527-1 |
| Charpy Impact Unnotched | NB | NB | ISO 179-1eU |
| Charpy Impact, Notched | 0.800 J/cm ² | 3.81 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 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity | 1.00e+16 ohm-cm | 1.00e+16 ohm-cm | IEC 60093 |
| Surface Resistance | 1.00e+16 ohm | 1.00e+16 ohm | IEC 60093 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

Descriptive Properties

Value

Comments

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