

## Polykemi AB POLYform POM C M90 K5 Polyoxymethylene, Mineral Reinforced

Category : Polymer , Thermoplastic

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYform-POM-C-M90-K5-Polyoxymethylene-Mineral-Reinforced.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYform-POM-C-M90-K5-Polyoxymethylene-Mineral-Reinforced.php)

| Physical Properties    | Metric                               | English                              | Comments              |
|------------------------|--------------------------------------|--------------------------------------|-----------------------|
| Density                | 1.44 g/cc                            | 0.0520 lb/in <sup>3</sup>            | ISO 1183              |
| Linear Mold Shrinkage  | 0.018 - 0.020 cm/cm                  | 0.018 - 0.020 in/in                  | With Flow; ISO 2577   |
|                        | 0.018 - 0.020 cm/cm                  | 0.018 - 0.020 in/in                  | Across Flow; ISO 2577 |
| Melt Index of Compound | 8.0 g/10 min                         | 8.0 g/10 min                         | ISO 1133              |
|                        | @Load 2.16 kg,<br>Temperature 190 °C | @Load 4.76 lb,<br>Temperature 374 °F |                       |

| Mechanical Properties     | Metric                  | English                    | Comments |
|---------------------------|-------------------------|----------------------------|----------|
| Tensile Strength at Break | <= 62.0 MPa             | <= 8990 psi                | ISO/R527 |
| Elongation at Yield       | 8.0 %                   | 8.0 %                      | ISO/R527 |
| Flexural Strength         | <= 93.0 MPa             | <= 13500 psi               | ISO 178  |
| Flexural Modulus          | 2.70 GPa                | 392 ksi                    | ISO 178  |
|                           | @Temperature 23.0 °C    | @Temperature 73.4 °F       |          |
| Charpy Impact, Notched    | 0.500 J/cm <sup>2</sup> | 2.38 ft-lb/in <sup>2</sup> | ISO 179  |
|                           | @Temperature -20.0 °C   | @Temperature -4.00 °F      |          |
|                           | 0.700 J/cm <sup>2</sup> | 3.33 ft-lb/in <sup>2</sup> | ISO 179  |
|                           | @Temperature 23.0 °C    | @Temperature 73.4 °F       |          |

| Thermal Properties                          | Metric             | English              | Comments          |
|---------------------------------------------|--------------------|----------------------|-------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 100 °C             | 212 °F               | 120°C/h; ISO 75/1 |
| Vicat Softening Point                       | 150 °C             | 302 °F               | 50°C/h; ISO 306   |
|                                             | @Load 5.001 kg     | @Load 11.03 lb       |                   |
| Flammability, UL94                          | HB                 | HB                   |                   |
|                                             | @Thickness 1.60 mm | @Thickness 0.0630 in |                   |

## Contact Songhan Plastic Technology Co.,Ltd.

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