

## Polykemi AB POLYplex PMMA 700 Acrylic Glass

Category : Polymer , Thermoplastic , Acrylic (PMMA)

### Material Notes:

Information provided by Polykemi AB

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polykemi-AB-POLYplex-PMMA-700-Acrylic-Glass.php](http://www.lookpolymers.com/polymer_Polykemi-AB-POLYplex-PMMA-700-Acrylic-Glass.php)

| Physical Properties    | Metric                                              | English                                             | Comments |
|------------------------|-----------------------------------------------------|-----------------------------------------------------|----------|
| Density                | 1.19 g/cc                                           | 0.0430 lb/in <sup>3</sup>                           | ISO 1183 |
| Melt Index of Compound | 10 g/10 min<br>@Load 5.00 kg,<br>Temperature 230 °C | 10 g/10 min<br>@Load 11.0 lb,<br>Temperature 446 °F | ISO 1133 |

| Mechanical Properties     | Metric                                          | English                                            | Comments |
|---------------------------|-------------------------------------------------|----------------------------------------------------|----------|
| Tensile Strength at Break | <= 75.0 MPa                                     | <= 10900 psi                                       | ISO/R527 |
| Elongation at Yield       | 10 %                                            | 10 %                                               | ISO/R527 |
| Flexural Strength         | <= 140 MPa                                      | <= 20300 psi                                       | ISO 178  |
| Flexural Modulus          | 3.00 GPa<br>@Temperature 23.0 °C                | 435 ksi<br>@Temperature 73.4 °F                    | ISO 178  |
| Charpy Impact, Notched    | 0.350 J/cm <sup>2</sup><br>@Temperature 23.0 °C | 1.67 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F | ISO 179  |

| Thermal Properties                          | Metric                   | English                  | Comments          |
|---------------------------------------------|--------------------------|--------------------------|-------------------|
| Deflection Temperature at 0.46 MPa (66 psi) | 94.0 °C                  | 201 °F                   | 120°C/h; ISO 75/1 |
| Deflection Temperature at 1.8 MPa (264 psi) | 71.0 °C                  | 160 °F                   | 120°C/h; ISO 75/1 |
| Vicat Softening Point                       | 100 °C<br>@Load 5.001 kg | 212 °F<br>@Load 11.03 lb | 50°C/h; ISO 306   |
|                                             | 108 °C<br>@Load 1.00 kg  | 226 °F<br>@Load 2.21 lb  | 50°C/h; ISO 306   |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**