

## Plastcom SLOVAMID® 6 GF 40 HI PA6 reinforced with glass fiber, improved impact strength

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Glass Fiber Filled , Nylon 6, Glass Filled, Impact Grade

### Material Notes:

PA 6 for injection molding, reinforced with 40% glass fiber, impact modified. Application: impacted moldings and moldings with higher strength applied in automotive, electrical, engineering and consumer-goods industry Delivered in natural mode and in the full RAL color scale. Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVAMID-6-GF-40-HI-PA6-reinforced-with-glass-fiber-improved-impact-strength.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVAMID-6-GF-40-HI-PA6-reinforced-with-glass-fiber-improved-impact-strength.php)

| Physical Properties               | Metric   | English  | Comments          |
|-----------------------------------|--|--|-------------------|
| Density                           | 1.41 g/cc  | 0.0509 lb/in <sup>3</sup>                            | STN EN ISO 1183-1 |
| Filler Content                    | 40 %   | 40 %   |                   |
| Linear Mold Shrinkage             | 0.011 cm/cm  | 0.011 in/in  | STN EN ISO 294-4  |
| Linear Mold Shrinkage, Transverse | 0.012 cm/cm  | 0.012 in/in  | STN EN ISO 294-4  |
| Melt Flow                         | 1.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 °C | 1.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 °F | STN EN ISO 1133   |

| Mechanical Properties     | Metric  | English   | Comments         |
|---------------------------|---|---|------------------|
| Tensile Strength at Break | 160 MPa   | 23200 psi   | STN EN ISO 527-2 |
| Elongation at Break       | 3.0 %   | 3.0 %   | STN EN ISO 527-2 |
| Tensile Modulus           | 11.5 GPa  | 1670 ksi  | STN EN ISO 527-2 |
| Flexural Strength         | 245 MPa   | 35500 psi   | STN EN ISO 178   |
| Flexural Modulus          | 9.60 GPa  | 1390 ksi  | STN EN ISO 178   |
| Charpy Impact Unnotched   | 10.0 J/cm <sup>2</sup><br>@Temperature -20.0 °C | 47.6 ft-lb/in <sup>2</sup><br>@Temperature -4.00 °F | STN EN ISO 179   |
|                           | 10.5 J/cm <sup>2</sup><br>@Temperature 23.0 °C  | 50.0 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F  | STN EN ISO 179   |
| Charpy Impact, Notched    | 1.40 J/cm <sup>2</sup><br>@Temperature -20.0 °C | 6.66 ft-lb/in <sup>2</sup><br>@Temperature -4.00 °F | STN EN ISO 179   |
|                           | 2.50 J/cm <sup>2</sup><br>@Temperature 23.0 °C  | 11.9 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F  | STN EN ISO 179   |

| Mechanical Properties                       | Metric                       | English                        | Comments            |
|---|------------------------------|--------------------------------|---------------------|
| Melting Point                               | 220 °C                       | 428 °F                         | STN EN 11357-1      |
| Deflection Temperature at 1.8 MPa (264 psi) | 205 °C                       | 401 °F                         | STN EN ISO 75-2 (A) |
| Vicat Softening Point                       | 205 °C                       | 401 °F                         | STN EN ISO 306      |
| Flammability, UL94                          | HB                           | HB                             |                     |
| Glow Wire Test                              | 650 °C<br>@Thickness 3.00 mm | 1200 °F<br>@Thickness 0.118 in | STN EN 60695-2-12   |

| Processing Properties | Metric                     | English                   | Comments        |
|-----------------------|----------------------------|---------------------------|-----------------|
| Melt Temperature      | 250 - 270 °C               | 482 - 518 °F              |                 |
| Mold Temperature      | 70.0 - 90.0 °C             | 158 - 194 °F              |                 |
| Drying Temperature    | 80.0 °C<br>@Time 14400 sec | 176 °F<br>@Time 4.00 hour |                 |
| Moisture Content      | 0.15 %                     | 0.15 %                    | STN EN ISO 3344 |
| Injection Pressure    | 70.0 - 120 MPa             | 10200 - 17400 psi         |                 |

## 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