

## Plastcom SLOVALEN PQ 53 N PP, imp. strength

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

**Material Notes:**

FeaturesPP modified with natural caoutchouc. The addition of thermoplastic caoutchouc causes increased toughness. General application in all industry branches. Delivered in natural mode and in the full RAL colour scale.Packaging, transport, stockingThe product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation.Information Provided by Plastcom spol. s r.o.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVALEN-PQ-53-N-PP-imp-strength.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PQ-53-N-PP-imp-strength.php)

| Physical Properties               | Metric   | English  | Comments |
|-----------------------------------|--|--|----------|
| Density                           | 0.910 g/cc   | 0.0329 lb/in <sup>3</sup>                            |          |
| Linear Mold Shrinkage             | 0.0252 cm/cm   | 0.0252 in/in   |          |
| Linear Mold Shrinkage, Transverse | 0.0263 cm/cm   | 0.0263 in/in   |          |
| Melt Flow                         | 11 g/10 min<br>@Load 0.325 kg,<br>Temperature 270 °C | 11 g/10 min<br>@Load 0.716 lb,<br>Temperature 518 °F |          |

| Mechanical Properties     | Metric                 | English                    | Comments |
|---------------------------|------------------------|----------------------------|----------|
| Tensile Strength at Break | 18.0 MPa               | 2610 psi                   |          |
| Elongation at Break       | 7.5 %                  | 7.5 %                      |          |
| Tensile Modulus           | 0.840 GPa              | 122 ksi                    |          |
| Flexural Strength         | 22.0 MPa               | 3190 psi                   |          |
| Flexural Modulus          | 0.750 GPa              | 109 ksi                    |          |
| Charpy Impact Unnotched   | NB                     | NB                         |          |
|                           | @Temperature 23.0 °C   | @Temperature 73.4 °F       |          |
| Charpy Impact, Notched    | NB                     | NB                         |          |
|                           | @Temperature -20.0 °C  | @Temperature -4.00 °F      |          |
| Charpy Impact, Notched    | 4.40 J/cm <sup>2</sup> | 20.9 ft-lb/in <sup>2</sup> |          |
|                           | @Temperature -20.0 °C  | @Temperature -4.00 °F      |          |
|                           | 6.00 J/cm <sup>2</sup> | 28.6 ft-lb/in <sup>2</sup> |          |

| <b>Mechanical Properties</b>                | <b>@Temperature 23.0 °C<br/>Metric</b> | <b>@Temperature 73.4 °F<br/>English</b> | <b>Comments</b> |
|---|--|---|-----------------|
| <b>Thermal Properties</b>                   | <b>Metric</b>                          | <b>English</b>                          | <b>Comments</b> |
| Melting Point                               | 140 °C                                 | 284 °F                                  |                 |
| Deflection Temperature at 1.8 MPa (264 psi) | 85.0 °C                                | 185 °F                                  |                 |
| Vicat Softening Point                       | 95.0 °C                                | 203 °F                                  | B               |
| <b>Processing Properties</b>                | <b>Metric</b>                          | <b>English</b>                          | <b>Comments</b> |
| Melt Temperature                            | 200 - 250 °C                           | 392 - 482 °F                            |                 |
| Mold Temperature                            | 30.0 - 50.0 °C                         | 86.0 - 122 °F                           |                 |
| Injection Pressure                          | 60.0 - 70.0 MPa                        | 8700 - 10200 psi                        |                 |

## Contact Songhan Plastic Technology Co.,Ltd.

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