

Plastcom SLOVALEN PQ 81 T 30 PP, 30% mineral filling

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Talc Filler

Material Notes:

Features Modified PP for injection moulding with the content of 30% mineral filling. Increased rigidity, strength and thermal use up to 130°C depending on the talc content. Decreased shrinkage. General application in all industry branches - packing material, garden flower-pots, toys, furniture industry, dowels, clamps, hinge, office chairs, hangers, covers of car chassis, fenders, motors etc. Packaging, transport, stocking The 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-81-T-30-PP-30-mineral-filling.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--|--|----------|
| Density | 1.12 g/cc | 0.0405 lb/in ³ | |
| Linear Mold Shrinkage | 0.0078 cm/cm | 0.0078 in/in | |
| Linear Mold Shrinkage, Transverse | 0.0085 cm/cm | 0.0085 in/in | |
| Melt Flow | 10 g/10 min @Load 0.325 kg, Temperature 270 °C | 10 g/10 min @Load 0.716 lb, Temperature 518 °F | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-------------------------|----------------------------|----------|
| Tensile Strength at Break | 17.0 MPa | 2470 psi | |
| Elongation at Break | 5.0 % | 5.0 % | |
| Tensile Modulus | 1.85 GPa | 268 ksi | |
| Flexural Strength | 21.0 MPa | 3050 psi | |
| Flexural Modulus | 1.95 GPa | 283 ksi | |
| Charpy Impact Unnotched | 10.5 J/cm ² | 50.0 ft-lb/in ² | |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |
| Charpy Impact, Notched | NB | NB | |
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |
| Charpy Impact, Notched | 0.500 J/cm ² | 2.38 ft-lb/in ² | |
| | @Temperature -20.0 °C | @Temperature -4.00 °F | |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------------------|----------------------|----------|
| | @Temperature 23.0 °C | @Temperature 73.4 °F | |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 88.0 °C | 190 °F | |
| Vicat Softening Point | 130 °C | 266 °F | B |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|-------------------|----------|
| Melt Temperature | 200 - 250 °C | 392 - 482 °F | |
| Mold Temperature | 40.0 - 50.0 °C | 104 - 122 °F | |
| Drying Temperature | 80.0 °C | 176 °F | |
| Dry Time | 4 hour | 4 hour | |
| Injection Pressure | 70.0 - 120 MPa | 10200 - 17400 psi | |

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