

Polyram PlusTek PA340S8 Nylon 6.6 for Injection Molding, 40% Glass-beads Reinforced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Bead Filled

Material Notes:

40% Glass-beads reinforced Nylon 6.6 for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-PlusTek-PA340S8-Nylon-66-for-Injection-Molding-40-Glass-beads-Reinforced.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|---------------------|---------------------------|----------------|
| Density | 1.45 g/cc | 0.0524 lb/in ³ | ISO 1183 |
| Moisture Absorption at Equilibrium | 1.6 % | 1.6 % | 50% RH; ISO 62 |
| Water Absorption at Saturation | 5.1 % | 5.1 % | ISO 62 |
| Linear Mold Shrinkage | 0.012 - 0.016 cm/cm | 0.012 - 0.016 in/in | ISO 2577 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|----------|
| Hardness, Rockwell R | 110 | 110 | |
| Tensile Strength, Yield | 70.0 MPa | 10200 psi | ISO 527 |
| Elongation at Break | 4.0 % | 4.0 % | ISO 527 |
| Flexural Strength | 120 MPa | 17400 psi | ISO 178 |
| Flexural Modulus | 3.60 GPa | 522 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 5.00 kJ/m ² | 2.38 ft-lb/in ² | ISO 180 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------|---------------------|-----------------------|
| Melting Point | 256 °C | 493 °F | ISO 11357 |
| Maximum Service Temperature, Air | 80.0 °C | 176 °F | Continuous use |
| | 180 °C | 356 °F | Short peaks operation |
| Deflection Temperature at 0.46 MPa (66 psi) | 220 °C | 428 °F | ISO 75 |
| Deflection Temperature at 1.8 MPa (264 psi) | 100 °C | 212 °F | ISO 75 |
| Flammability, UL94 | HB | HB | |
| | @Thickness 3.00 mm | @Thickness 0.118 in | |
| Glow Wire Test | 650 °C | 1200 °F | GWIT; IEC 60695 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|-----------------------|-----------------------|-----------|
| Electrical Properties | Metric | English | Comments |
| Volume Resistivity | 1.00e+12 ohm-cm | 1.00e+12 ohm-cm | IEC 60093 |
| Surface Resistance | 1.00e+15 ohm | 1.00e+15 ohm | IEC 60093 |
| Dielectric Constant | 3.8 | 3.8 | IEC 60250 |
| | @Frequency 1.00e+6 Hz | @Frequency 1.00e+6 Hz | |
| Dielectric Strength | 80.0 kV/mm | 2030 kV/in | IEC 60250 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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