

Polyram RamLloy PN300G4 PPE/PS Alloy, 20% Glass Fiber

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene + Polyphenylene Ether, Glass Filler

Material Notes:

PPE/PS alloy, 20% glass fiber reinforced for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PN300G4-PPEPS-Alloy-20-Glass-Fiber.php

| Physical Properties | Metric | English | Comments |
|------------------------------------|---|---|----------------|
| Density | 1.25 g/cc | 0.0452 lb/in ³ | ISO 1183 |
| Moisture Absorption at Equilibrium | 0.0060 % | 0.0060 % | 50% RH; ISO 62 |
| Water Absorption at Saturation | 0.20 % | 0.20 % | ISO 62 |
| Linear Mold Shrinkage | 0.0020 - 0.0040 cm/cm | 0.0020 - 0.0040 in/in | ISO 2577 |
| Melt Flow | 12 g/10 min @Load 10.0 kg, Temperature 280 °C | 12 g/10 min @Load 22.0 lb, Temperature 536 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|----------|
| Tensile Strength, Yield | 70.0 MPa | 10200 psi | ISO 527 |
| Elongation at Break | 3.0 % | 3.0 % | ISO 527 |
| Tensile Modulus | 5.00 GPa | 725 ksi | ISO 527 |
| Flexural Strength | 100 MPa | 14500 psi | ISO 178 |
| Flexural Modulus | 5.20 GPa | 754 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 8.00 kJ/m ² | 3.81 ft-lb/in ² | ISO 180 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|---------------------------|----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 130 °C | 266 °F | ISO 75 |
| Deflection Temperature at 1.8 MPa (264 psi) | 120 °C | 248 °F | ISO 75 |
| Flammability, UL94 | HB @Thickness 3.00 mm | HB @Thickness 0.118 in | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity | 1.00e+15 ohm-cm | 1.00e+15 ohm-cm | IEC 60093 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|------------|-----------|-----------|
| Dielectric Strength | 18.0 kV/mm | 457 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