

DuPont Performance Polymers Zytel® LM70G35HSLX BK314 Nylon 66 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66 , 40% Glass Fiber Filled

Material Notes:

35% Glass Reinforced Heat Stabilized Laser Markable Polyamide 66 Zytel LM70G35HSLX is a 35% glass fiber reinforced heat stabilized lubricated polyamide 66 for injection molding. It is well suited for laser marking. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-LM70G35HSLX-BK314-Nylon-66-nbspUnverified-Data.php

| Physical Properties | Metric | English | Comments |
|-----------------------------------|--------------|---------------------------|---------------------|
| Density | 1.41 g/cc | 0.0509 lb/in ³ | DAM; ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.0030 cm/cm | 0.0030 in/in | DAM; ISO 294-4 2577 |
| Linear Mold Shrinkage, Transverse | 0.011 cm/cm | 0.011 in/in | DAM; ISO 294-4 2577 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break | 150 MPa | 21800 psi | 50%RH; ISO 527-1/-2 |
| | 210 MPa | 30500 psi | DAM; ISO 527-1/-2 |
| Elongation at Break | 2.9 % | 2.9 % | DAM; ISO 527-1/-2 |
| | 4.9 % | 4.9 % | 50%RH; ISO 527-1/-2 |
| Tensile Modulus | 8.50 GPa | 1230 ksi | 50%RH; ISO 527-1/-2 |
| | 11.0 GPa | 1600 ksi | DAM; ISO 527-1/-2 |
| Izod Impact, Notched (ISO) | 12.0 kJ/m ² | 5.71 ft-lb/in ² | DAM; ISO 180/1A |
| | 17.0 kJ/m ² | 8.09 ft-lb/in ² | 50%RH; ISO 180/1A |
| Charpy Impact Unnotched | 7.00 J/cm ² | 33.3 ft-lb/in ² | 50%RH; ISO 179/1eU |
| | 7.00 J/cm ² | 33.3 ft-lb/in ² | DAM; ISO 179/1eU |
| Charpy Impact, Notched | 1.20 J/cm ² | 5.71 ft-lb/in ² | DAM; ISO 179/1eA |
| | 1.70 J/cm ² | 8.09 ft-lb/in ² | 50%RH; ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-------------------------------|
| Melting Point | 263 °C | 505 °F | DAM; 10°C/min; ISO 11357-1/-3 |
| Deflection Temperature at 0.46 MPa (66 psi) | 260 °C | 500 °F | DAM; ISO 75-1/-2 |

| Deflection Temperature at 1.8 MPa Thermal Properties (104 psi) | 75.4 °C Metric | 180 °F English | Comments 5-1/-2 |
|--|-------------------|-------------------|--------------------|
|--|-------------------|-------------------|--------------------|

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------------------|--------------------|------------------|
| Volume Resistivity | 1.00e+11 ohm-cm | 1.00e+11 ohm-cm | 50%RH; IEC 60093 |
| | >= 1.00e+15 ohm-cm | >= 1.00e+15 ohm-cm | DAM; IEC 60093 |

| Descriptive Properties | Value | Comments |
|-------------------------|-----------------------------------|-----------|
| Additives | Lubricants | |
| Delivery Form | Pellets | |
| Part Marking Code | >PA66-GF35< | ISO 11469 |
| Processing | Injection Moulding | |
| Regional Availability | Europe | |
| | Near East/Africa | |
| Resin Identification | PA66-GF35 | |
| Special Characteristics | Heat stabilised or stable to heat | |

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