

Chemlon® E-66 GF15

Polyamide 66

Teknor Apex Company (Chem Polymer)

Message:

Chemlon® E-66 GF15 is an economy range 15% glass fibre reinforced Nylon 66 compound.
It is available in natural or black versions.

| General Information | | | |
|--|---|-------------------|-----------------|
| Filler / Reinforcement | Glass fiber reinforced material, 15% filler by weight | | |
| Appearance | Black | | |
| | Natural color | | |
| Processing Method | Injection molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.25 | g/cm ³ | ISO 1183 |
| Molding Shrinkage ¹ | 0.30 - 0.80 | % | Internal method |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 2.2 | % | ISO 62 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus | 5200 | MPa | ISO 527-2 |
| Tensile Stress (Break) | 110 | MPa | ISO 527-2 |
| Tensile Strain (Break) | 4.0 | % | ISO 527-2 |
| Flexural Modulus | 4700 | MPa | ISO 178 |
| Flexural Stress ² | 140 | MPa | ISO 178 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 7.0 | kJ/m ² | ISO 180 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature | | | |
| 0.45 MPa, not annealed | > 230 | °C | ISO 75-2/B |
| 1.8 MPa, not annealed | 210 | °C | ISO 75-2/A |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 2.0 | hr | |
| Rear Temperature | 275 - 300 | °C | |
| Middle Temperature | 275 - 300 | °C | |
| Front Temperature | 275 - 300 | °C | |
| Processing (Melt) Temp | < 300 | °C | |
| Mold Temperature | 80.0 - 90.0 | °C | |
| Injection Rate | Fast | | |
| Screw Speed | 50 - 200 | rpm | |
| Injection instructions | | | |

Back pressure: LowInjection pressure: HighThe material is supplied dry and ready to mould in sealed, moisture proof sacks. No drying is necessary unless the material has been exposed to air for longer than three hours. The appearance of splash marks on the surface of mouldings indicates excessive moisture is present. Should drying become necessary, two hours at 80°C in a dehumidifying drier is recommended. The use of air circulating driers is not generally recommended, as longer drying times are often required, with greater potential for product oxidation and yellowing. Drying temperatures should not exceed 80°C.

| NOTE | |
|------|---|
| 1. | Mould shrinkage is significantly influenced by many factors including wall thickness, gating, component shape and moulding conditions.The range values stated were determined from specimen bar mouldings of 1.5mm to 4mm wall thickness. They are provided as a guide for comparison purposes only and no guarantee should be inferred from their inclusion. (Specimens measured in the dry state, 24 hours after moulding). |
| 2. | At Break |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material


Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT