

LNP™ THERMOCOMP™ EF006H compound

Polyether Imide
SABIC Innovative Plastics

Message:

LNP THERMOCOMP EF006H is a compound based on Polyetherimide resin containing 30% Glass Fiber. Added features include: Healthcare.
Also known as: LNP* THERMOCOMP* Compound EF-1006 EES
Product reorder name: EF006H

| General Information | | | |
|--|----------------------------------|-------------------|-------------|
| UL YellowCard | E121562-101357467 | | |
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Uses | Medical/Healthcare Applications | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.52 | g/cm ³ | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus ¹ | 10300 | MPa | ASTM D638 |
| Tensile Strength (Break) | 167 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 2.3 | % | ASTM D638 |
| Flexural Modulus | 10300 | MPa | ASTM D790 |
| Flexural Strength | 262 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 85 | J/m | ASTM D256 |
| Unnotched Izod Impact (23°C) | 640 | J/m | ASTM D4812 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm) | 204 | °C | ASTM D648 |
| Injection | Nominal Value | Unit | |
| Drying Temperature | 121 to 149 | °C | |
| Drying Time | 4.0 to 6.0 | hr | |
| Suggested Max Moisture | 0.020 | % | |
| Rear Temperature | 343 to 354 | °C | |
| Middle Temperature | 354 to 366 | °C | |
| Front Temperature | 366 to 377 | °C | |
| Processing (Melt) Temp | 360 to 366 | °C | |
| Mold Temperature | 121 to 149 | °C | |
| Back Pressure | 0.344 to 0.689 | MPa | |
| Screw Speed | 60 to 100 | rpm | |
| NOTE | | | |
| 1. | 50 mm/min | | |

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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

