

SABIC Innovative Plastics LNP THERMOCOMP YF006A Polyester Elastomer (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

LNP* THERMOCOMP* YF006A is a compound based on Polyester Elastomer containing Glass Fiber.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-YF006A-Polyester-Elastomer-Europe-Africa-Middle-East.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--------------|---------------------------|--------------|
| Density | 1.43 g/cc | 0.0517 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage, Flow | 0.0015 cm/cm | 0.0015 in/in | SABIC Method |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|------------------------|----------------------------|---------------------|
| Tensile Strength at Break | 60.0 MPa | 8700 psi | 50 mm/min; ISO 527 |
| Tensile Strength, Yield | 62.0 MPa | 8990 psi | 50 mm/min; ISO 527 |
| Elongation at Yield | 8.3 % | 8.3 % | 50 mm/min; ISO 527 |
| Tensile Modulus | 3.20 GPa | 464 ksi | 1 mm/min; ISO 527 |
| Flexural Yield Strength | 74.0 MPa | 10700 psi | 2 mm/min; ISO 178 |
| Flexural Modulus | 2.90 GPa | 421 ksi | 2 mm/min; ISO 178 |
| Izod Impact, Notched (ISO) | 25.0 kJ/m ² | 11.9 ft-lb/in ² | 80*10*4; ISO 180/1A |
| Izod Impact, Unnotched (ISO) | 80.0 kJ/m ² | 38.1 ft-lb/in ² | 80*10*4; ISO 180/1U |

| Thermal Properties | Metric | English | Comments |
|---|--|--|----------------------------------|
| CTE, linear, Parallel to Flow | 19.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 10.6 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | ISO 11359-2 |
| | @Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$ | @Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$ | |
| CTE, linear, Transverse to Flow | 188 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ | 104 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ | ISO 11359-2 |
| | @Temperature 23.0 - 60.0 $\text{Å}^\circ\text{C}$ | @Temperature 73.4 - 140 $\text{Å}^\circ\text{F}$ | |
| Deflection Temperature at 0.46 MPa (66 psi) | 195 $\text{Å}^\circ\text{C}$ | 383 $\text{Å}^\circ\text{F}$ | Flatw 80*10*4 sp=64mm; ISO 75/Bf |
| Deflection Temperature at 1.8 MPa (264 psi) | 159 $\text{Å}^\circ\text{C}$ | 318 $\text{Å}^\circ\text{F}$ | Flatw 80*10*4 sp=64mm; ISO 75/Af |

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