

LNP™ THERMOCOMP™ YF006A compound

Thermoplastic Polyester Elastomer

SABIC Innovative Plastics Europe

Message:

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

Also known as: LNP* THERMOCOMP* Compound YF-1006 E55L

Product reorder name: YF006A

General Information			
Filler / Reinforcement	Glass Fiber		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.15	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3200	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	62.0	MPa	
Break	60.0	MPa	
Tensile Strain (Yield)	8.3	%	ISO 527-2/50
Flexural Modulus ¹	2900	MPa	ISO 178
Flexural Stress	74.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ² (23°C)	25	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ³ (23°C)	80	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ⁴			
0.45 MPa, Unannealed, 64.0 mm Span	195	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 64.0 mm Span	159	°C	ISO 75-2/Af
CLTE			ISO 11359-2
Flow : 23 to 60°C	1.9E-5	cm/cm/°C	
Transverse : 23 to 60°C	1.9E-4	cm/cm/°C	
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	182 to 193	°C	
Middle Temperature	204 to 216	°C	
Front Temperature	227 to 238	°C	
Processing (Melt) Temp	216 to 238	°C	

Mold Temperature	26.7 to 54.4	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	2.0 mm/min	
2.	80*10*4	
3.	80*10*4	
4.	80*10*4 mm	

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