

LNP™ THERMOCOMP™ JF006LXZ compound

Polyethersulfone

SABIC Innovative Plastics

Message:

LNP THERMOCOMP JF006LXZ is a compound based on Polyethersulfone resin containing Glass Fiber. Added features of this material include: Low Extractible.

Also known as: LNP* THERMOCOMP* Compound JF-1006 LE

Product reorder name: JF006LXZ

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Features	Low extract		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.61	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow: 24 hours	0.20	%	ASTM D955
Transverse flow: 24 hours	0.70	%	ASTM D955
Vertical flow direction: 24 hours	0.69	%	ISO 294-4
Flow direction: 24 hours	0.25	%	ISO 294-4
Water Absorption (24 hr, 50% RH)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	9790	MPa	ASTM D638
--	10200	MPa	ISO 527-2/1
Tensile Strength			
Fracture	113	MPa	ASTM D638
Fracture	99.0	MPa	ISO 527-2
Tensile Elongation			
Fracture	1.8	%	ASTM D638
Fracture	1.4	%	ISO 527-2
Flexural Modulus	9240	MPa	ASTM D790, ISO 178
Flexural Strength			
--	172	MPa	ASTM D790
--	222	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	59	J/m	ASTM D256
23°C ²	6.8	kJ/m ²	ISO 180/1A
Unnotched Izod Impact			
23°C	430	J/m	ASTM D4812
23°C ³	30	kJ/m ²	ISO 180/1U

Instrumented Dart Impact			
23°C, Energy at Peak Load	13.0	J	ASTM D3763
--	3.00	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 3.20mm	218	°C	ASTM D648
1.8 MPa, unannealed, 3.20mm	212	°C	ASTM D648
Linear thermal expansion coefficient			
Flow: -40 to 40°C	3.1E-5	cm/cm/°C	ASTM E831
Flow: -40 to 40°C	3.0E-5	cm/cm/°C	ISO 11359-2
Lateral: -40 to 40°C	3.6E-5	cm/cm/°C	ASTM E831, ISO 11359-2
NOTE			
1.	50 mm/min		
2.	80*10*4		
3.	80*10*4		

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

