

LNP™ THERMOCOMP™ 9X06482 compound

Polyamide 46

SABIC Innovative Plastics

Message:

LNP* THERMOCOMP* 9X06482 is a compound based on Nylon 4/6 resin containing 30% Glass Fiber. Added feature of this grade is: Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound STN-F-1006 HS

Product reorder name: 9X06482

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 24 hr	0.58	%	
Across Flow : 24 hr	1.8	%	
Water Absorption			
24 hr, 50% RH	1.5	%	ASTM D570
Equilibrium, 23°C, 50% RH	2.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	9540	MPa	ASTM D638
--	9210	MPa	ISO 527-2/1
Tensile Strength			
Yield ²	169	MPa	ASTM D638
Break ³	168	MPa	ASTM D638
Break	165	MPa	ISO 527-2/5
Tensile Elongation			
Break ⁴	3.5	%	ASTM D638
Break	3.5	%	ISO 527-2/5
Flexural Modulus			
50.0 mm Span ⁵	8240	MPa	ASTM D790
-- ⁶	7930	MPa	ISO 178
Flexural Stress			
--	253	MPa	ISO 178
Break, 50.0 mm Span ⁷	256	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	71	J/m	ASTM D256
23°C ⁸	8.4	kJ/m ²	ISO 180/1A

Unnotched Izod Impact			
23°C	860	J/m	ASTM D4812
23°C ⁹	51	kJ/m ²	ISO 180/1U
Instrumented Dart Impact			
23°C, Total Energy	6.50	J	ASTM D3763
--	2.40	J	ISO 6603-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	289	°C	ASTM D648
0.45 MPa, Unannealed, 64.0 mm Span ¹⁰	290	°C	ISO 75-2/Bf
1.8 MPa, Unannealed, 3.20 mm	286	°C	ASTM D648
1.8 MPa, Unannealed, 64.0 mm Span ¹¹	286	°C	ISO 75-2/Af
CLTE			ASTM D696
Flow : -30 to 30°C	2.5E-5	cm/cm/°C	
Transverse : -30 to 30°C	6.7E-5	cm/cm/°C	
NOTE			
1.	5.0 mm/min		
2.	Type I, 5.0 mm/min		
3.	Type I, 5.0 mm/min		
4.	Type I, 5.0 mm/min		
5.	1.3 mm/min		
6.	2.0 mm/min		
7.	1.3 mm/min		
8.	80*10*4		
9.	80*10*4		
10.	80*10*4 mm		
11.	80*10*4 mm		

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

