

NYLAFORCE® B 50

Polyamide 6

LEIS Polytechnik - polymere Werkstoffe GmbH

Message:

produced by feed up-process, polyamide 6 + 50% glass fibres, heat stabilized

General Information				
Filler / Reinforcement		Glass Fiber,50% Filler by Weight		
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.57	--	g/cm ³	ISO 1183
Molding Shrinkage ¹	0.10 to 0.50	--	%	ISO 294-4
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2
23°C ²	--	12000	MPa	
23°C	17500	--	MPa	
80°C	7600	--	MPa	
120°C	7400	--	MPa	
Tensile Stress				ISO 527-2
23°C ³	--	170	MPa	
23°C	250	--	MPa	
80°C	140	--	MPa	
120°C	105	--	MPa	
Tensile Strain				ISO 527-2
Break, 23°C ⁴	--	5.5	%	
Break, 23°C	3.2	--	%	
Break, 80°C	7.4	--	%	
Break, 120°C	7.6	--	%	
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
--	19	--	kJ/m ²	
23°C ⁵	--	30	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
--	100	--	kJ/m ²	
23°C ⁶	--	No Break		
Thermal	Dry	Conditioned	Unit	Test Method

Heat Deflection Temperature (1.8 MPa, Unannealed)	> 200	--	°C	ISO 75-2/A
Melting Temperature (DSC) 7	221	--	°C	ISO 3146

NOTE				
1.	60 mm x 60 mm x 2 mm			
2.	Tested according to ISO 527/ISO 1110			
3.	Tested according to ISO 527/ISO 1110			
4.	Tested according to ISO 527/ISO 1110			
5.	Tested according to ISO 179/ISO 1110			
6.	Tested according to ISO 179/ISO 1110			
7.	10K/min			

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



WECHAT