

NYLAFORCE® dynamic 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	--	12500	MPa	
23°C	18000	--	MPa	
Tensile Stress				ISO 527-2
23°C ³	--	175	MPa	
23°C	270	--	MPa	
Tensile Strain				ISO 527-2
Break, 23°C ⁴	--	5.5	%	
Break, 23°C	3.3	--	%	
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179
--	18	--	kJ/m ²	
23°C ⁵	--	26	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179
--	No Break	--		
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)	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.	Testing according to ISO 179/ISO 1110
6.	Testing according to ISO 179/ISO 1110

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