

NYLAFORCE® B 50 Z SCHWARZ

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	1.56	--	g/cm ³	ISO 1183
Molding Shrinkage	0.10 to 0.50	--	%	ISO 294-4
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus				ISO 527-2
23°C ¹	--	11500	MPa	
23°C	16500	--	MPa	
Tensile Stress				ISO 527-2
23°C ²	--	150	MPa	
23°C	220	--	MPa	
Tensile Strain				ISO 527-2
Break, 23°C ³	--	5.0	%	
Break, 23°C	2.6	--	%	
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
--	14	--	kJ/m ²	
23°C ⁴	--	26	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
--	85	--	kJ/m ²	
23°C ⁵	--	86	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)				
	> 200	--	°C	ISO 75-2/A
Melting Temperature (DSC) ⁶				
	221	--	°C	ISO 3146
NOTE				
1.	Testing according to ISO 527ISO 1110			

2.	Testing according to ISO 527ISO 1110
3.	Testing according to ISO 527ISO 1110
4.	Testing according to ISO 179ISO 1110
5.	Testing according to ISO 179ISO 1110
6.	10K/min

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