

# ALAMID® 6.6 MOD UNGEFARBT-8300

Polyamide 66

LEIS Polytechnik - polymere Werkstoffe GmbH

Message:

polyamide 6.6 + 15% carbon fibres, modified

General Information			
Filler / Reinforcement	Carbon Fiber,15% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage <sup>1</sup>	0.20 to 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2
Tensile Stress	85.0	MPa	ISO 527-2
Tensile Strain (Break)	2.5	%	ISO 527-2
Coefficient of Friction (vs. Steel - Dynamic)	0.10 to 0.19		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	25	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC) <sup>2</sup>	260	°C	ISO 3146
CLTE <sup>3</sup>			ISO 11359-2
Flow : 23 to 85°C	1.3E-5	cm/cm/°C	
Transverse : 23 to 85°C	2.7E-5	cm/cm/°C	

NOTE	
1.	60mm x 60mm x 2mm
2.	10K/min
3.	60mm x 60mm x 2mm

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