

ALAMID® 6 S

Polyamide 6

LEIS Polytechnik - polymere Werkstoffe GmbH

Message:

polyamide 6, stabilized

General Information			
Additive	Unspecified Stabilizer		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage ¹	1.0 to 2.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3300	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	> 20	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Melting Temperature (DSC) ²	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 60093
NOTE			
1.	60mm x 60mm x 2mm		
2.	10K/min		

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