

ALAMID® 6 HZ 4

Polyamide 6
LEIS Polytechnik - polymere Werkstoffe GmbH

Message:
polyamide 6, impact modified

General Information			
Features	Impact Modified		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Molding Shrinkage ¹	1.0 to 2.0	%	ISO 294-4
Water Absorption (Saturation, 23°C)	2.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2
Tensile Strain (Break)	> 15	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	185	°C	ISO 75-2/B
Melting Temperature (DSC) ²	221	°C	ISO 3146
Thermal Conductivity	0.23	W/m/K	ISO 8302
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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