

Willh. Willumsen AS.
Your partner in Thermoplastic Polymers

TECHNICAL SPECIFICATIONS

Willamid PA 6 G30H NAT N045

30% glasfiber PA 6, heatstabilized, natural
CODE: N045 (ISSUE 1 - 30.11.07)

PHYSICAL PROPERTIES

Property	Units	Value	Test Method
Viscosity measurement LAUDA D 15 KP v2.28a	Relative viscosity	2.4-2.8	1 % Solution in formic acid (90 %) at 25°C Test no: 0005, LN0001
Moisture measurement	(% L)	< 0.2	According to Sartorius MA-30
Melting point	°C	215-225	According to Gallenkamp
Density	g/cm ³	1.30-1.40	ISO 1183
Mould shrinkage	%	0.20-0.40	Internal method

MECHANICAL PROPERTIES

Property	Units	Value	Test Method
Flexural modulus	MPa	7500-9500	ISO 178
Flexural strength	MPa	180-250	ISO 178
Tensile modulus	MPa	8000-10000	ISO 527
Tensile Strength	MPa	160-200	ISO 527
Ultimate elongation	%	2.0-4.0	ISO 527
Notched Izod impact	kJ/m ²	10-12	ISO 180

THERMAL PROPERTIES

Property	Units	Value	Test Method
Softening point VICAT	°C	210-215	ISO 306
Heat distortion temperature	°C	195-205	ISO 75 type A
Continuos service temperature	°C	110	Internal method
Max service temperature	°C	175	Internal method

Testing conditions: dry as moulded
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