

NYLFOR B1 GF/60 H1 NATURAL - PA6

Description

PA 6, low viscosity, 60% glass fiber reinforced, heat-stabilized

Physical properties	dry / cond	Unit	Test Standard
Density	1660 / 0	kg/m ³	ISO 1183

Mechanical properties	dry / cond	Unit	Test Standard
Tensile modulus	21000 / -	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	215 / -	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	2.2 / -	%	ISO 527-2/1A
Flexural modulus, 23°C	18800 / -	MPa	ISO 178
Charpy notched impact strength, 23°C	17 / -	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	14 / -	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
DTUL at 1.8 MPa	210 / *	°C	ISO 75-1, -2

Typical injection moulding processing conditions

Pre Drying	Value	Unit	Test Standard
Drying time	4	h	-
Drying temperature	90	°C	-
Temperature	Value	Unit	Test Standard
Zone1 temperature	250	°C	-
Zone2 temperature	270	°C	-
Zone3 temperature	280	°C	-
Mold temperature	80 - 90	°C	-