

NYLFOR A2 GF/30 H2 NATURAL - PA66

Description

PA 66, standard viscosity, 30% glass fiber reinforced, heat-stabilized

Physical properties	dry / cond	Unit	Test Standard
Density	1360 / -	kg/m ³	ISO 1183

Mechanical properties	dry / cond	Unit	Test Standard
Tensile modulus	9800 / -	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	175 / -	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	3.2 / -	%	ISO 527-2/1A
Flexural modulus, 23°C	8200 / -	MPa	ISO 178
Charpy notched impact strength, 23°C	10 / -	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	9.8 / -	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
DTUL at 1.8 MPa	250 / *	°C	ISO 75-1, -2
Vicat softening temperature, 50°C/h 50N	252 / *	°C	ISO 306
Flammability @3.2mm nom. thickn.	HB / *	class	UL 94
Flammability @1.6mm nom. thickn.	HB / *	class	UL 94

Typical injection moulding processing conditions

Temperature	Value	Unit	Test Standard
Zone1 temperature	270	°C	-
Zone2 temperature	285	°C	-
Zone3 temperature	300	°C	-
Mold temperature	60 - 80	°C	-