

NYLFOR A2 GF/15 E2/1E H2 BLACK 8126 - PA66

Description

Polyamide 66, standard viscosity, 15% glass fiber reinforced, impact modified, heat stabilized, injection molding grade

Physical properties	dry / cond	Unit	Test Standard
Density	1220 / -	kg/m ³	ISO 1183
Water absorption, 23°C-sat	6.5 / *	%	ISO 62
Humidity absorption, 23°C/50%RH	2.8 / *	%	ISO 62

Mechanical properties	dry / cond	Unit	Test Standard
Tensile modulus	5700 / -	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	120 / -	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	4 / -	%	ISO 527-2/1A
Flexural modulus, 23°C	5500 / -	MPa	ISO 178
Flexural stress at max. force	165 / -	MPa	ISO 178
Charpy impact strength, 23°C	65 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	7 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.3 / -	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
Melting point, peak	260	°C	ISO 3146
DTUL at 1.8 MPa	240 / *	°C	ISO 75-1, -2
Flammability @3.2mm nom. thickn.	HB / *	class	UL 94
Flammability @0.8mm nom. thickn.	HB / *	class	UL 94

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	275	°C	-
Zone2 temperature	285	°C	-
Zone3 temperature	295	°C	-
Melt temperature	285 - 295	°C	-
Mold temperature	60 - 90	°C	-