

NIVIONPLAST B R306G NEGRO 900 - PA6

Description

PA 6, 30% glass fiber reinforced, heat-stabilized

Physical properties	dry / cond	Unit	Test Standard
Density	1350 / 0	kg/m ³	ISO 1183
Melt flow rate, MFR	8	g/10min	ISO 1133
MFR temperature	260	°C	ISO 1133
MFR load	2.16	kg	ISO 1133

Mechanical properties	dry / cond	Unit	Test Standard
Tensile modulus	9000 / -	MPa	ISO 527-2/1A
Tensile stress at break, 5mm/min	170 / -	MPa	ISO 527-2/1A
Tensile strain at break, 5mm/min	3.5 / -	%	ISO 527-2/1A
Flexural modulus, 23°C	8500 / -	MPa	ISO 178
Flexural stress at max. force	250 / -	MPa	ISO 178
Charpy impact strength, 23°C	80 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, 23°C	13 / -	kJ/m ²	ISO 179/1eA
Izod impact notched, 23°C	12.5 / -	kJ/m ²	ISO 180/1A

Thermal properties	dry / cond	Unit	Test Standard
DTUL at 1.8 MPa	205 / *	°C	ISO 75-1, -2
DTUL at 0.45 MPa	210 / *	°C	ISO 75-1, -2
Flammability @3.2mm nom. thickn.	HB / *	class	UL 94