

Nyloi B2 GF/15 TF NERO

Polyamide 6

SO.F.TER. SPA

Message:

Nyloi B2 GF/15 TF NERO is a Polyamide 6 (Nylon 6) material. It is available in Europe, Latin America, or North America for injection molding. Primary attribute of Nyloi B2 GF/15 TF NERO: Flame Rated.

General Information			
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm ³	ASTM D792
Molding Shrinkage	0.70	%	Internal Method
Water Absorption			ISO 62
Saturation, 23°C	7.5	%	
Equilibrium, 23°C, 50% RH	2.2	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ASTM D638
Tensile Strength (Break)	115	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	4500	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.37		
vs. Steel - Static	0.31		
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.3	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	4.0	hr	
Rear Temperature	250	°C	
Middle Temperature	270	°C	
Front Temperature	280	°C	
Mold Temperature	80.0 to 90.0	°C	

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Recommended distributors for this material

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