

Easy Lock

KEYLESS SOLUTION



Bolt made in
Composite materials

- Ultra-Resistent
- Anti-Oxidation



The bolt is made from composite materials, resins and polymers, which ensure a high resilience factor. The use of these materials, along with the particular shape of the bolt guarantee equal resistance in comparison to the metal materials normally used in this type of lock. Since no metal is used, there is no risk of exposure to oxidation, even in highly damp environments such as changing room, swimming pools, wellness centers etc. , virtually eliminating any need for maintenance.



SCHEDA TECNICA/ DATA SHEET			REV. 0 DATA 01/09/03	
POLIMID B 30 GF NERO				
PROPRIETA' PROPERTIES		METODO TEST METHOD	UNITA' UNIT	VALORI TIPICI TYPICAL VALUES
FISICHE/TERMICHE PHYSICAL/THERMAL	DENSITA' DENSITY	ASTM D792	g/cm³	1.35
	PUNTO DI FUSIONE MELTING POINT	DSC	°C	222
	RITIRO ALLO STAMPAGGIO MOLD SHRINKAGE	ASTM D955	%	0.3
	ASSORB. ACQUA WATER ABSORPTION (23°C-24h.in H2O)	ASTM D570	%	0.9
	MELT FLOW INDEX	ASTM D1238	g/10min.	
	GRADO DI INFIAMMABILITA' FLAMMABILITY a 1,6 mm	UL 94		HB
	TEMPERATURA DI RAMMOLIMENTO VICAT VICAT SOFTENING TEMPERATURE	ASTM D1525	°C	210
	TEMPERATURA DI INFLESSIONE SOTTO CARICO HEAT DEFLECTION TEMPERATURE (0,45 N/mm²)	ASTM D648	°C	215
	TEMPERATURA DI INFLESSIONE SOTTO CARICO HEAT DEFLECTION TEMPERATURE (1,81 N/mm²)	ASTM D648	°C	205
	TEMP. D'ESERCIZIO IN CONTINUO (NO STRESS) CONTINUOUS SERVICE TEMP. WITH NO STRESS	-	°C	120
MECCANICHE MECHANICAL	PROVA DEL FILO INCANDESCENTE GLOW WIRE TEST	IEC 695-2-1	°C	
	MODULO A FLESSIONE FLEXURAL MODULUS	ASTM D790	N/mm²	8000-4000*
	ALLUNGAMENTO A TRAZIONE ALLO SNERVAMENTO TENSILE STRAIN AT YIELD	ASTM D638	%	
	ALLUNGAMENTO A TRAZIONE A ROTTURA TENSILE STRAIN AT BREAK	ASTM D638	%	3.0-3,5*
	CARICO DI TRAZIONE ALLO SNERVAMENTO TENSILE STRESS AT YIELD	ASTM D638	N/mm²	
	CARICO DI TRAZIONE A ROTTURA TENSILE STRESS AT BREAK	ASTM D638	N/mm²	160-80*
	IZOD-RESISTENZA ALL'URTO CON INTAGLIO IZOD NOTCHED IMPACT STRENGTH	ISO 180/1A	KJ/ m²	
	IZOD-RESISTENZA ALL'URTO SENZA INTAGLIO IZOD UNNOTCHED IMPACT STRENGTH	ISO 180/1U	KJ/m²	> 60
ELETTRICHE ELECTRICAL	DUREZZA ROCKWELL ROCKWELL HARDNESS	ASTM D785	scala R	120-110*
	RESISTIVITA' DI VOLUME VOLUME RESISTIVITY	ASTM D257	Ohm*cm	10 ¹⁵ -10 ¹¹
	RESISTIVITA' DI SUPERFICE SURFACE RESISTIVITY	ASTM D257	Ohm	10 ¹³ -10 ¹¹
	RESISTIVITA' CORRENTI STRISCIANTI COMPARATIVE TRACKING INDEX	VDE 0303/1	V	KC>500

* VALORI CONDIZIONATI
CONDITIONED VALUES

DIREZIONE TECNICA _____

Product Information



Zytel®

nylon resin

Zytel® ST801 NC010A

Zytel® ST801 NC010A is a general purpose Super Tough nylon 66 resin. It offers outstanding impact resistance and high productivity.

Property	Test Method	Units	Value	
			50%RH	DAM
Mechanical				
Tensile Stress at 50% Strain 50mm/min	ISO 527-1/2	MPa	39	
Yield Stress 50mm/min	ISO 527-1/2	MPa	43	50
Nominal Strain at Break 50mm/min	ISO 527-1/2	%	>50	32
Strain at Break 50mm/min	ISO 527-1/2	%	>100	60
Yield Strain 50mm/min	ISO 527-1/2	%	37	5,7
Tensile Modulus 1mm/min	ISO 527-1/2	MPa	900	2000
Tensile Creep Modulus 1000h 1h	ISO 899	MPa	750 1200	
Notched Izod Impact -30C 23C	ISO 180/1A	kJ/m2	20 100	20 80
Notched Charpy Impact -30C 23C	ISO 179/1eA	kJ/m2	17 115	18 80
Unnotched Charpy Impact -30C 23C	ISO 179/1eU	kJ/m2	NB NB	NB NB

Properties measured at 23°C unless otherwise stated.

Please refer to the Safety Data Sheet, general guides and/or additional information about ventilation, handling, purging, drying, etc.

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