

Easy Lock

A FECHADURA SEM CHAVE



Trinco de **Materiais Compósitos**

- Ultra-Resistente
- Anti-Oxidante



o trinco é feito com materiais compósitos, resinas e polímeros, o que assegura um elevado coeficiente de resiliência. O uso destes materiais, em conjunto com a forma particular do trinco, garantem uma maior resistência a quebra do que o material de

metal normalmente utilizado neste tipo de fechaduras.

Não sendo metal, além disso, não está exposto ao risco de oxidação, mesmo em ambientes particularmente úmidos, como vestiários, piscinas, academias, centros de bem-estar, etc. eliminando qualquer tipo de manutenção.



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/cm ³ | 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/mm ²) | ASTM D648 | °C | 215 |
| | TEMPERATURA DI INFLESSIONE SOTTO CARICO HEAT DEFLECTION TEMPERATURE (1,81 N/mm ²) | ASTM D648 | °C | 205 |
| | TEMP. D'ESERCIZIO IN CONTINUO (NO STRESS) CONTINUOUS SERVICE TEMP. WITH NO STRESS | - | °C | 120 |
| PROVA DEL FILO INCANDESCENTE GLOW WIRE TEST | IEC 695-2-1 | °C | | |
| MECCANICHE MECHANICAL | MODULO A FLESSIONE FLEXURAL MODULUS | ASTM D790 | N/mm ² | 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/mm ² | |
| | CARICO DI TRAZIONE A ROTTURA TENSILE STRESS AT BREAK | ASTM D638 | N/mm ² | 160-80* |
| | IZOD-RESISTENZA ALL'URTO CON INTAGLIO IZOD NOTCHED IMPACT STRENGTH | ISO 180/1A | KJ/ m ² | |
| | IZOD-RESISTENZA ALL'URTO SENZA INTAGLIO IZOD UNNOTCHED IMPACT STRENGTH | ISO 180/1U | KJ/m ² | > 60 |
| DUREZZA ROCKWELL ROCKWELL HARDNESS | ASTM D785 | scala R | 120-110* | |
| ELETTRICHE ELECTRICAL | RESISTIVITA' DI VOLUME VOLUME RESISTIVITY | ASTM D257 | Ohm*cm | 10 ¹⁵ -10 ¹¹ |
| | RESISTIVITA' DI SUPERFICIE 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 _____



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 | ISO 899 | MPa | 750 | |
| 1h | | | 1200 | |
| Notched Izod Impact -30C | ISO 180/1A | kJ/m2 | 20 | 20 |
| 23C | | | 100 | 80 |
| Notched Charpy Impact -30C | ISO 179/1eA | kJ/m2 | 17 | 18 |
| 23C | | | 115 | 80 |
| Unnotched Charpy Impact -30C | ISO 179/1eU | kJ/m2 | NB | NB |
| 23C | | | 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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Engineering Polymers

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