

Solvay TECHNYL[®] C 246 V 30 PA6, 30% glass fiber, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 30% Glass Fiber Filled

Material Notes:

Description: Polyamide PA6, reinforced with 30 % of glass fiber, high impact strength, for injection molding. Available in: Asia Pacific and North America
 Product Applications: Having good mechanical properties, this grade is used in all sectors of industry. It is suitable for molding of sporting and leisure goods such as roller-skates frames but also for molding of power tools or chainsaws. This product is available in colors on request. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-C-246-V-30-PA6-30-glass-fiber-Conditioned.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|------------|
| Density | 1.32 g/cc | 0.0477 lb/in ³ | ISO 1183/A |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|-----------------|
| Tensile Strength at Break | 90.0 MPa | 13100 psi | ISO 527 Type 1A |
| Elongation at Break | 7.0 % | 7.0 % | ISO 527 Type 1A |
| Tensile Modulus | 5.40 GPa | 783 ksi | ISO 527 Type 1A |
| Flexural Modulus | 5.20 GPa | 754 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 29.0 kJ/m ² | 13.8 ft-lb/in ² | ISO 180/1eA |
| Charpy Impact Unnotched | 10.5 J/cm ² | 50.0 ft-lb/in ² | ISO 179/1eU |
| Charpy Impact, Notched | 3.00 J/cm ² | 14.3 ft-lb/in ² | ISO 179/1eA |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity | 1.00e+11 ohm-cm | 1.00e+11 ohm-cm | IEC 60093 |
| Surface Resistance | 1.00e+10 ohm | 1.00e+10 ohm | IEC 60093 |
| Dielectric Strength | 21.0 kV/mm | 533 kV/in | IEC 60243 |
| Dissipation Factor | 0.10 | 0.10 | IEC 60250 |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------|-----------|----------|
| Moisture Content | <= 0.20 % | <= 0.20 % | |

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