

Solvay TECHNYLÂ® B 216 Natural D PA66/6, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Unreinforced copolyamide 66/6, medium viscosity, for injection molding. Available in: Europe Product Applications: TECHNYL B 216 offers an excellent combination between impact resistance, rigidity, thermal resistance and surface appearance. It is used in a wide variety of industries (electrical, automotive). This grade is particularly suitable for molding perfume bottles which require a good scratch resistance. This product is available in a wide range of colors. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-TECHNYL-B-216-Natural-D-PA666-Conditioned.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|----------------|------------|
| Density | 1.14 g/cc | 0.0412 lb/inÂ³ | ISO 1183/A |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-------------|-----------------|------------------|
| Tensile Strength at Break | 60.0 MPa | 8700 psi | ISO 527 Type 1A |
| Tensile Strength, Yield | 50.0 MPa | 7250 psi | ISO 527 type 1 A |
| Elongation at Break | 100 % | 100 % | ISO 527 Type 1A |
| Elongation at Yield | 25 % | 25 % | ISO 527 type 1 A |
| Tensile Modulus | 1.10 GPa | 160 ksi | ISO 527 Type 1A |
| Flexural Strength | 50.0 MPa | 7250 psi | ISO 178 |
| Flexural Modulus | 1.20 GPa | 174 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 16.0 kJ/mÂ² | 7.61 ft-lb/inÂ² | ISO 180/1eA |
| Charpy Impact Unnotched | NB | NB | ISO 179/1eU |
| Charpy Impact, Notched | 1.60 J/cmÂ² | 7.61 ft-lb/inÂ² | ISO 179/1eA |

| Electrical Properties | Metric | English | Comments |
|----------------------------|-----------------|-----------------|-----------------------|
| Volume Resistivity | 1.00e+12 ohm-cm | 1.00e+12 ohm-cm | IEC 60093 |
| Surface Resistance | 1.00e+12 ohm | 1.00e+12 ohm | IEC 60093 |
| Dielectric Constant | 3.2 | 3.2 | IEC 60250 |
| Dielectric Strength | 24.0 kV/mm | 610 kV/in | IEC 60243 |
| Dissipation Factor | 0.10 | 0.10 | IEC 60250 |
| Comparative Tracking Index | 600 V | 600 V | Solution A; IEC 60112 |

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

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