

Unitika ET2025 PA6, Dry

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

High-impact nylonInformation provided by Unitika Ltd.

Order this product through the following link:  
[http://www.lookpolymers.com/polymer\\_Unitika-ET2025-PA6-Dry.php](http://www.lookpolymers.com/polymer_Unitika-ET2025-PA6-Dry.php)

| Physical Properties                | Metric             | English             | Comments       |
|------------------------------------|--------------------|---------------------|----------------|
| Density                            | 1.07 g/cc          | 0.0387 lb/in³       | ISO 1183       |
| Moisture Absorption at Equilibrium | 1.7 %              | 1.7 %               | 50% RH; ISO 62 |
| Linear Mold Shrinkage, Flow        | 0.022 cm/cm        | 0.022 in/in         |                |
|                                    | @Thickness 3.20 mm | @Thickness 0.126 in |                |
| Linear Mold Shrinkage, Transverse  | 0.024 cm/cm        | 0.024 in/in         |                |
|                                    | @Thickness 3.20 mm | @Thickness 0.126 in |                |

| Mechanical Properties   | Metric     | English        | Comments     |
|-------------------------|------------|----------------|--------------|
| Tensile Strength, Yield | 45.0 MPa   | 6530 psi       | ISO 527-1/-2 |
| Elongation at Break     | 60 %       | 60 %           | ISO 527-1/-2 |
| Tensile Modulus         | 1.80 GPa   | 261 ksi        | ISO 527-1/-2 |
| Flexural Strength       | 55.0 MPa   | 7980 psi       | ISO 178      |
| Flexural Modulus        | 1.70 GPa   | 247 ksi        | ISO 178      |
| Charpy Impact Unnotched | NB         | NB             | ISO 179-1    |
| Charpy Impact, Notched  | 8.00 J/cm² | 38.1 ft-lb/in² | ISO 179-1    |

| Thermal Properties                          | Metric      | English        | Comments    |
|---------------------------------------------|-------------|----------------|-------------|
| CTE, linear                                 | 100 µm/m-°C | 55.6 µin/in-°F | ISO 11359-2 |
| Deflection Temperature at 0.46 MPa (66 psi) | 161 °C      | 322 °F         | ISO 75-1/-2 |
| Deflection Temperature at 1.8 MPa (264 psi) | 62.0 °C     | 144 °F         | ISO 75-1/-2 |

| Electrical Properties | Metric          | English         | Comments  |
|-----------------------|-----------------|-----------------|-----------|
| Volume Resistivity    | 1.00e+13 ohm-cm | 1.00e+13 ohm-cm | IEC 60093 |
|                       |                 |                 |           |

| Electrical Properties | 31.0 kV/mm<br>Metric | 787 kV/in<br>English | Comments |
|-----------------------|----------------------|----------------------|----------|
|                       | @Thickness 1.00 mm   | @Thickness 0.0394 in |          |

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)  
Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)  
Tel : +86 021-51131842  
Mobile : +86 13061808058  
Skype : lookpolymers  
Address : United North Road 215,Fengxian District, Shanghai City,China