

## Unitika A125 PA66, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced

### Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-A125-PA66-Conditioned.php](http://www.lookpolymers.com/polymer_Unitika-A125-PA66-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption at Equilibrium	2.3 %	2.3 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.016 cm/cm @Thickness 3.20 mm	0.016 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.022 cm/cm @Thickness 3.20 mm	0.022 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ISO 2039
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527-1/-2
Elongation at Break	>= 100 %	>= 100 %	ISO 527-1/-2
Tensile Modulus	1.00 GPa	145 ksi	ISO 527-1/-2
Flexural Strength	43.0 MPa	6240 psi	ISO 178
Flexural Modulus	1.10 GPa	160 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179-1
Charpy Impact, Notched	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 μm/m-°C	50.0 μin/in-°F	ISO 11359-2
Flammability, UL94	V-2 @Thickness 0.810 mm	V-2 @Thickness 0.0319 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	IEC 60112

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

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