

## Unitika A1025NO PA6, Flame Retardant, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced, Flame Retardant

### Material Notes:

Information provided by Unitika Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unitika-A1025NO-PA6-Flame-Retardant-Conditioned.php](http://www.lookpolymers.com/polymer_Unitika-A1025NO-PA6-Flame-Retardant-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	ISO 1183
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	ISO 62
Moisture Absorption at Equilibrium	1.9 %	1.9 %	50% RH; ISO 62
Linear Mold Shrinkage, Flow	0.011 cm/cm @Thickness 3.20 mm	0.011 in/in @Thickness 0.126 in	
Linear Mold Shrinkage, Transverse	0.015 cm/cm @Thickness 3.20 mm	0.015 in/in @Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ISO 2039
Tensile Strength at Break	41.0 MPa	5950 psi	ISO 527-1/-2
Elongation at Break	4.0 %	4.0 %	ISO 527-1/-2
Tensile Modulus	1.80 GPa	261 ksi	ISO 527-1/-2
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Flexural Modulus	1.50 GPa	218 ksi	ISO 178
Charpy Impact Unnotched	5.10 J/cm <sup>2</sup>	24.3 ft-lb/in <sup>2</sup>	ISO 179-1
Charpy Impact, Notched	1.00 J/cm <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 179-1

Thermal Properties	Metric	English	Comments
CTE, linear	100 µm/m-°C	55.6 µin/in-°F	ISO 11359-2
Flammability, UL94	V-0 @Thickness 0.840 mm	V-0 @Thickness 0.0331 in	

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

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