

## Solvay TECHNYLÂ® A 221 Natural FA PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

## Material Notes:

Description: Product in development. Unreinforced polyamide 66, medium viscosity, for injection molding, with a special crystallizing agent, for fast cycles. Suitable for food contact applications Available in: Europe and North America Product Applications: TECHNYLÂ® A 221 NATURAL FA offers a good combination between primary properties of the unreinforced polyamide 66 and processing properties leading to increased productivity. These performances are associated with excellent dimensional stability and good rigidity of molded parts. This grade is used in a wide variety of industries: Automotive: connectors, Electrical: connectors, rotary switches and Consumer goods: lighters, aerosol valves. This product is available in natural. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-A-221-Natural-FA-PA66-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-221-Natural-FA-PA66-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/inÂ³	ISO 1183/A
Linear Mold Shrinkage	0.0082 cm/cm	0.0082 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.0127 cm/cm	0.0127 in/in	
Linear Mold Shrinkage, Transverse	0.0155 cm/cm	0.0155 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	95.0 MPa	13800 psi	ISO 527 Type 1A
Elongation at Break	20 %	20 %	ISO 527 Type 1A
Tensile Modulus	3.20 GPa	464 ksi	ISO 527 Type 1A
Flexural Strength	140 MPa	20300 psi	ISO 178
Flexural Modulus	3.30 GPa	479 ksi	ISO 178
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.200 J/cmÂ²	0.952 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	0.250 J/cmÂ²	1.19 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
	65.0 Âµm/m-Â°C	36.1 Âµin/in-Â°F	

CTE, linear, Parallel to Flow Thermal Properties	Metric @ Temperature 23.0 - 85.0 Â°C	English @ Temperature 73.4 - 185 Â°F	ISO 11359 Comments
Melting Point	263 Â°C	505 Â°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Â°C	176 Â°F	ISO 75/Af

Processing Properties	Metric	English	Comments
Feed Temperature	250 - 270 Â°C	482 - 518 Â°F	
Mold Temperature	60.0 - 80.0 Â°C	140 - 176 Â°F	
Drying Temperature	80.0 Â°C	176 Â°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	260-280Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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