

## Solvay TECHNYL<sup>®</sup> A 222 Black 1N PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Description: Unreinforced polyamide PA66, medium viscosity, heat stabilized, for injection molding, fast crystallization, for short cycles .Available in: EuropeProduct Applications: TECHNYL A 222 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 for connector parts in electrical and automotive industries. This product is available in black.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-222-Black-1N-PA66-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-222-Black-1N-PA66-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183/A
Water Absorption	1.1 % @Temperature 23.0 Â°C, Time 86400 sec	1.1 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage	0.0093 cm/cm	0.0093 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	
Linear Mold Shrinkage, Transverse	0.015 cm/cm	0.015 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	75.0 MPa	10900 psi	ISO 527 Type 1A
Tensile Strength, Yield	95.0 MPa	13800 psi	ISO 527 type 1 A
Elongation at Break	20 %	20 %	ISO 527 Type 1A
Elongation at Yield	7.0 %	7.0 %	ISO 527 type 1 A
Tensile Modulus	3.20 GPa	464 ksi	ISO 527 Type 1A
Flexural Modulus	3.10 GPa	450 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 180/1eA
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Thermal Properties CTE, linear, Parallel to Flow	65.0 Åum/m-Å°C Metric	36.1 Åuin/in-Å°F English	Comments ISO 11359
	@Temperature 23.0 - 85.0 Å°C	@Temperature 73.4 - 185 Å°F	
Melting Point	263 Å°C	505 Å°F	ISO 11357
Deflection Temperature at 1.8 MPa (264 psi)	80.0 Å°C	176 Å°F	ISO 75/Åf
Flammability, UL94	V-2 @Thickness 1.60 mm	V-2 @Thickness 0.0630 in	1210
Oxygen Index	26 %	26 %	ISO 4589
Glow Wire Test	700 Å°C	1290 Å°F	ISO 60695-2-12

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dielectric Constant	2.9	2.9	IEC 60250
Dielectric Strength	27.0 kV/mm	686 kV/in	IEC 60243
Dissipation Factor	0.030	0.030	IEC 60250
Comparative Tracking Index	450 V	450 V	Solution B; IEC 60112
	575 V	575 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	250 - 270 Å°C	482 - 518 Å°F	
Front Barrel Temperature	270 - 290 Å°C	518 - 554 Å°F	
Mold Temperature	60.0 - 80.0 Å°C	140 - 176 Å°F	
Drying Temperature	80.0 Å°C	176 Å°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : 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