

## Solvay TECHNYL<sup>®</sup> A 217 PA66, Conditioned

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Description: TECHNYL<sup>®</sup> A 217 is an unreinforced polyamide 66, heat stabilized, standard viscosity, for injection molding. It is available in black color. Benefits: This product offers all the primary properties of unreinforced polyamide 66. In addition it has improved resistance to high temperature and it can be used for components which have to withstand mid term temperature stresses. This product can also be vacuum metalized with very good surface quality and adhesion of the aluminum surface. In case of fire its smoke rate is very low. It is also complying with NFF 16-101 rating I3 F2. Available in: Asia Pacific and Europe Regulations compliance: Grades produced or imported in Europe comply with directive 453/2010/EC, which amends REACH directive 1907/2006/EC. This grade complies with RoHS directive 2002/95/EC. Unless specified, this grade is not suitable for food contact, medical devices or toy applications Applications: It perfectly suits for the production of the head lamp bezels in automotive industry and connectors in electrical industry. 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-217-PA66-Conditioned.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-217-PA66-Conditioned.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ISO 1183/A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	ISO 527 Type 1A
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527 type 1 A
Elongation at Break	200 %	200 %	ISO 527 Type 1A
Tensile Modulus	1.50 GPa	218 ksi	ISO 527 Type 1A
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	1.45 GPa	210 ksi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m <sup>2</sup>	4.76 ft-lb/in <sup>2</sup>	ISO 180/1A
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180/1U
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.850 J/cm <sup>2</sup>	4.04 ft-lb/in <sup>2</sup>	ISO 179/1eA

Processing Properties	Metric	English	Comments
Moisture Content	<= 0.20 %	<= 0.20 %	

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