

## Solvay TECHNYLÂ® B 218 Black 21 N PA66/6, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 6/66

### Material Notes:

Description: Unreinforced copolyamide PA 66/6 , heat stabilized , medium viscosity, for injection molding. Available in: Europe Product

Applications: TECHNYLÂ® B 218 offers all of the primary properties of unreinforced polyamide 66 .In addition , it has improved resistance to high temperature , and can be used for components which will withstand long-term temperature stresses , such as: Automotive industry- diagnostic plugs, ashtray bodies and covers. Electrical industry- housings, connectors, terminal blocks . This product is available in natural, black and grey. Information provided by Rhodia, Rhodia has been acquired by Solvay.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-TECHNYL-B-218-Black-21-N-PA666-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-B-218-Black-21-N-PA666-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/inÂ³	ISO 1183/A
Water Absorption	1.6 % @Temperature 23.0 Â°C, Time 86400 sec	1.6 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	
Linear Mold Shrinkage, Transverse	0.014 cm/cm	0.014 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	30 %	30 %	ISO 527 Type 1A
Elongation at Yield	5.0 %	5.0 %	ISO 527 type 1 A
Tensile Modulus	3.00 GPa	435 ksi	ISO 527 Type 1A
Flexural Strength	125 MPa	18100 psi	ISO 178
Flexural Modulus	3.00 GPa	435 ksi	ISO 178
Izod Impact, Notched (ISO)	5.00 kJ/mÂ²	2.38 ft-lb/inÂ²	ISO 180/1eA
Charpy Impact Unnotched	NB	NB	ISO 179/1eU
Charpy Impact, Notched	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	242 Â°C	468 Â°F	ISO 11357
Oxygen Index	23 %	23 %	ISO 4589
Glow Wire Test	650 Â°C @Thickness 1.60 mm	1200 Â°F @Thickness 0.0630 in	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 Strength	25.0 kV/mm	635 kV/in	IEC 60243
Dissipation Factor	0.030	0.030	IEC 60250
Comparative Tracking Index	425 V	425 V	Solution B; IEC 60112
	525 V	525 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Feed Temperature	240 - 250 Â°C	464 - 482 Â°F	
Front Barrel Temperature	260 - 270 Â°C	500 - 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	250-260Â°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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