

## Solvay TECHNYLÂ® A 246M PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

Description: Unreinforced and modified polyamide 66, with very high impact resistance even at low temperature, for injection molding. Available in: Europe and North America Product Applications: TECHNYLÂ® A 246M offers an excellent notched impact resistance at low temperature make it suitable for: sports and leisure applications, for shoe soles, ski components, ski and surf bindings, toy applications, such as, the bumper of a remote-controlled car. This product is available in natural, white and 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-246M-PA66-DRY.php](http://www.lookpolymers.com/polymer_Solvay-TECHNYL-A-246M-PA66-DRY.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/inÂ³	ISO 1183/A
Water Absorption	1.05 %	1.05 %	ISO 62
	@Temperature 23.0 Â°C, Time 86400 sec	@Temperature 73.4 Â°F, Time 24.0 hour	
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	Isotropy
Linear Mold Shrinkage, Flow	0.019 cm/cm	0.019 in/in	
Linear Mold Shrinkage, Transverse	0.019 cm/cm	0.019 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	44.0 MPa	6380 psi	ISO 527 Type 1A
Tensile Strength, Yield	42.0 MPa	6090 psi	ISO 527 type 1 A
	47.0 MPa	6820 psi	ISO 527 type 1 A
Tensile Modulus	1.90 GPa	276 ksi	ISO 527 Type 1A
Flexural Strength	70.0 MPa	10200 psi	ISO 178
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
Izod Impact, Notched (ISO)	22.0 kJ/mÂ²	10.5 ft-lb/inÂ²	ISO 180/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	60.0 kJ/mÂ²	28.6 ft-lb/inÂ²	ISO 180/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Mechanical Properties	Metric	English	Comments
Charpy Impact, Unnotched	1.60 J/cm <sup>2</sup>	7.61 ft-lb/in <sup>2</sup>	ISO 179/1eU
	@Temperature -30.0 Å°C	@Temperature -22.0 Å°F	
	NB	NB	ISO 179/1eU
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact, Notched	9.10 J/cm <sup>2</sup>	43.3 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 Åµm/m-Å°C	38.9 Åµin/in-Å°F	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)	65.0 Å°C	149 Å°F	ISO 75/Af
Flammability, UL94	HB	HB	1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Oxygen Index	24.5 %	24.5 %	ISO 4589

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	3.2	3.2	IEC 60250
Dielectric Strength	3.20 kV/mm	81.3 kV/in	IEC 60243
Dissipation Factor	0.020	0.020	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 Processing Properties	$\leq 0.20\%$ Metric	$\leq 0.20\%$ English	Comments
Descriptive Properties	Value		Comments
Compression Zone	260-280°C		

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://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