

Solvay TECHNYL[®] A 208KBK-10N-L PA66, DRY

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Description: Polyamide 66, highly UV-resistance, toughness modified for injection molding. Available in: Asia Pacific
 Product Applications: TECHNYL A 208K BK 10N-L is used in all sectors of industry, offering on excellent UV resistance, toughness, well balanced mechanical property etc. This grade is used for cable-tie, fastener. This product is available in Black color. 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-208KBK-10N-L-PA66-DRY.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Water Absorption	1.2 % @Temperature 23.0 Â°C, Time 86400 sec	1.2 % @Temperature 73.4 Â°F, Time 24.0 hour	ISO 62
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
Hardness, Rockwell R	121	121	ASTM D786
Tensile Strength, Yield	84.0 MPa	12200 psi	ASTM D6368
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	118 MPa	17100 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Notched	0.620 J/cm	1.16 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	262 Â°C	504 Â°F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	73.0 Â°C	163 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	211 Â°C	412 Â°F	ASTM D648

Electrical Properties	Metric	English	Comments
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Dielectric Constant Electrical Properties	2.9 Metric	2.9 English	IEC 60250 Comments
Dissipation Factor	0.030	0.030	IEC 60250

Processing Properties	Metric	English	Comments
Feed Temperature	265 - 285 Å°C	509 - 545 Å°F	
Front Barrel Temperature	275 - 295 Å°C	527 - 563 Å°F	
Mold Temperature	50.0 - 80.0 Å°C	122 - 176 Å°F	
Drying Temperature	80.0 Å°C	176 Å°F	
Moisture Content	<= 0.20 %	<= 0.20 %	

Descriptive Properties	Value	Comments
Compression Zone	270-290Å°C	

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