



TECHNYL A 208K BLACK 10N-L

Description

Technyl® A 208K BLACK 10N-L is a polyamide 66, Highly UV-resistance, toughness modified for injection molding.

This product is available in black.

Benefits

This grade offers an excellent UV resistance, toughness, well balanced mechanical property.

Applications

It is used in all sectors of industry, principally for cable-tie and fastener.

Key Properties

General purpose
UV stabilised

Properties

Typical values of properties are for black grades

	Standards	Unit	Values	
			d.a.m.	Cond.
Physical				
Water absorption(24h at 23°C)	ISO 62	%	1,20	
Density	ISO 1183/A	g/cm ³	1,14	
Molding shrinkage Parallel	RHODIA	%	1,90	
Molding shrinkage normal or perpendicular	RHODIA	%	1,90	
Mechanical				
Tensile strength at break	ISO 527 Type 1A	MPa	85	
	ASTM D-638	MPa	75	
Elongation at break	ISO 527 Type 1A	%	20	
	ASTM D-638	%	40	
Flexural modulus	ISO 178	MPa	2900	
	ASTM D-790	MPa	3500	
Flexural maximum stress	ISO 178	MPa	110	
	ASTM D-790	MPa	110	
Charpy notched impact strength	ISO 179/1eA	J/m	5	
Izod notched impact strength	ISO 180/1A	J/m	4	
	ASTM D256	J/m	70	
Thermal				
Melting Temperature	ISO 11357	°C	262	
Heat deflection temperature (0,45 MPa)	ASTM D-648	°C	211	
Heat deflection temperature (1,8 MPa)	ASTM D-648	°C	73	
Electrical				
Comparative tracking index (Sol A)	IEC 60112	V	600	600
Dielectric strength	IEC 60243	kV/mm	27	26
Dissipation factor	IEC 60250		0,030	0,080
Surface resistivity	IEC 60093	Ohm	1E 14	1E 12
Volume resistivity	IEC 60093	Ohm/cm	1E 15	1E 13
Specific				
Identification code				PA66

d.a.m. = dry as moulded

Cond = conditioned

Processing Guide

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment.

Recommended Maximum water content: 0,2 %

Drying conditions: 80 °C

Recommended moulding conditions

Barrel Temperatures:

- feed zone 265 - 275 °C
- compression zone 270 - 280 °C
- mixing zone 280 - 285 °C

Mould temperatures: 60 - 80 °C

Steel advice for tools For unfilled polyamide, Solvay recommends the use of high alloy steel with a weak chromium content. For example: 35NC6 or 35CD4.

Disclaimer

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Safety information

Detailed information regarding safety are available on the safety data sheet (SDS).
SDS is sent with the first material order, or available by contacting our customer services

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

Customer services

Our customer services are not only concerned with manufacturing and supply of Engineering Plastics products. We are available to assist our customers in finding technical solutions that meet their requirements. Specific support is in particular offered on:

- Material selection
- Material testing
- Parts design advice, training for design engineers
- Part testing
- Processing through different technologies
- Assembly and post-processing technology expertise
- Parts optimization through Computer Aided Design

You can find more information on Solvay Product range by on Technyl.com and the link to the product finder and brochures at the following address:

<http://www.technyl.com/en/download/brochures/index.html>