



TECHNYL CR 218 V33 BLACK 21N

Description

TECHNYL CR 218 V33 BLACK 21N is a polyamide PA6 reinforced with 33% of glass fibre, heat stabilized, containing recycled material, for injection moulding. This product is available in black color.

Benefits

The product offers a good mechanical properties.

Applications

It is used in a wide variety of industries.

Key Properties

Heat stabilised

Properties

Typical values of properties are for black grades

	Standards	Unit	Values	
			d.a.m.	Cond.
Mechanical				
Tensile Modulus	ISO 527 Type 1A	MPa	10700	
Tensile strength at break	ISO 527 Type 1A	MPa	189,30	
Elongation at break	ISO 527 Type 1A	%	3,30	
Flexural modulus	ISO 178	MPa	9088	
Flexural maximum stress	ISO 178	MPa	285	
Charpy notched impact strength (23 °C)	ISO 179/1eA	kJ/m2		NB
Charpy unnotched impact strength (23 °C)	ISO 179/1eU	kJ/m2	NB	
Izod notched impact strength (23 °C)	ISO 180/1A	kJ/m2	15,5	
Izod unnotched impact strength	ISO 180/1U	kJ/m2	NB	

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 230 - 235 °C
- compression zone 235 - 240 °C
- mixing zone 240 - 250 °C

Mould temperatures: 60 - 90 °C

Steel advice for tools

For glass fibers reinforced polyamide, Solvay recommends the use of steel with a high content of Carbon and purified for polishing to avoid or limit the abrasion. For example: Z38CDV5W or Z160CDV12.

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/Rhodia Product range on our internet product finder at the following address:

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