Technyl® C 52G1 V20

PA6-GF20 Solvay Engineering Plastics

Product Texts

Polyamide6, 20% Glass-fiber reinforced, glow-wire modified, lubricated for injection moulding

TECHNYL® C 52G1 V20 is used in all sectors of industry, offering good glow wireperformance and heat resistance and productivity.

This grade is specifically suited for

- MCB's and low voltage switches

This product is available in grey colour and in colors on request.

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.9 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Burning behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	500 / -	-	IEC 60112

Other properties	dry / cond	Unit	Test Standard
ISO Data			
Water absorption	1.2 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m³	ISO 1183

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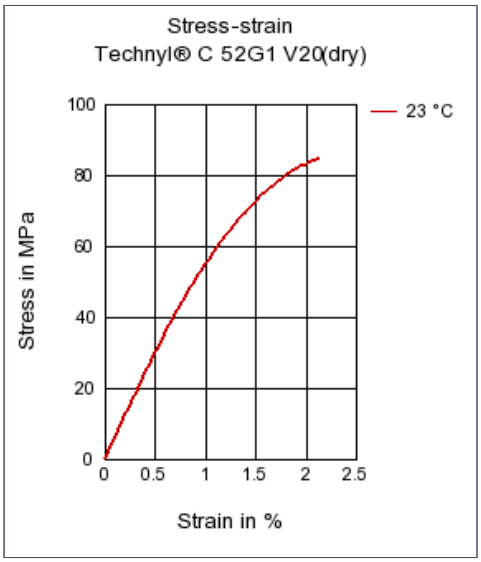
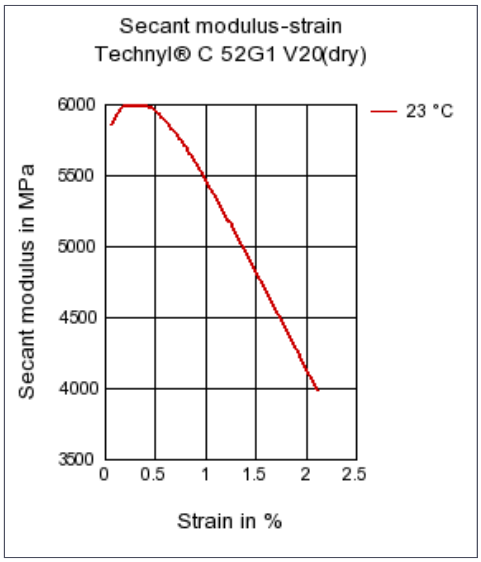
Diagrams

Stress-strain



Secant modulus-strain



Characteristics

Processing

Injection Molding

Additives

Lubricants

Other text information

Injection Molding

The material is supplied in airtight bags, ready for use. In the case that the virgin material has absorbed moisture, it must be dried to a final moisture content less than 0.2% with a dehumidified air drying equipment at approx.80°C

Recommended moulding conditions:

- Barrel temperatures : - feed zone 230 ~ 240°C
-compression zone 235 ~ 245°C
- fron t zone240 ~ 250°C

- Mould temperatures: 40 ~ 90°C