


**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

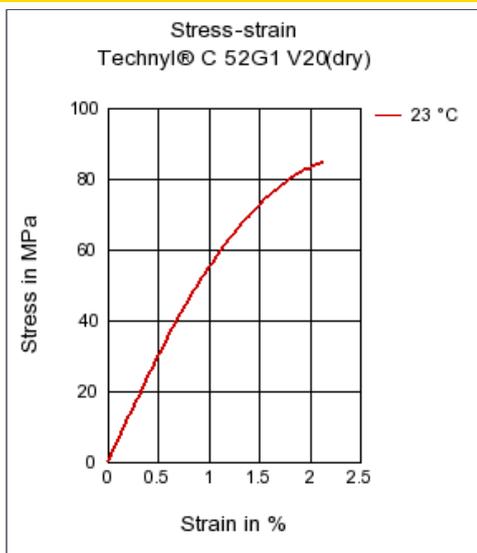
- MCB's and low voltage switches

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

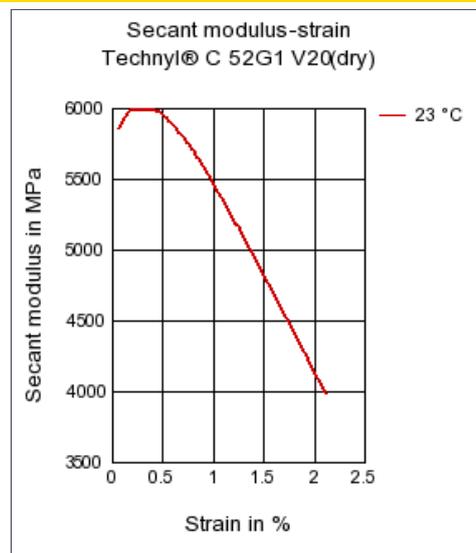
<b>Rheological properties</b>	<b>dry / cond</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.9 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.7 / *	%	ISO 294-4, 2577
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature (10°C/min)	222 / *	°C	ISO 11357-1/-3
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 / *	-	-
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	500 / -	-	IEC 60112
<b>Other properties</b>			
<b>ISO Data</b>			
Water absorption	1.2 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m <sup>3</sup>	ISO 1183

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
- front zone 240 ~ 250°C
  
- Mould temperatures: 40 ~ 90°C