


**Technyl® C 52G1 V25**

PA6-GF25

Solvay Engineering Plastics

**Product Texts**

Polyamide 6, 25% Glass-fiber reinforced, glow-wire modified, lubricated for injection moulding.

TECHNYL® C 52G1 V25 is used in all sectors of industry, offering good glow wire performance and heat resistance and productivity.

This grade is specifically suited for

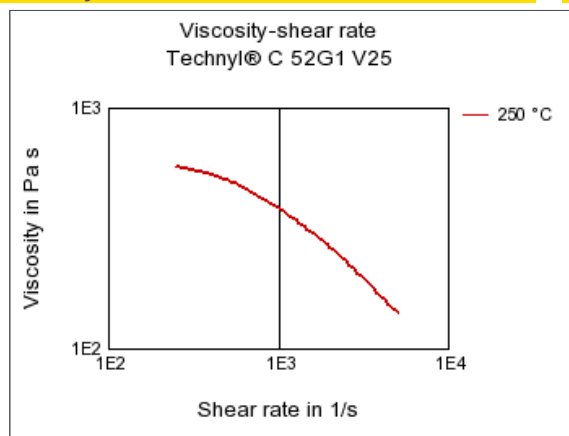
- contactors and switches

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

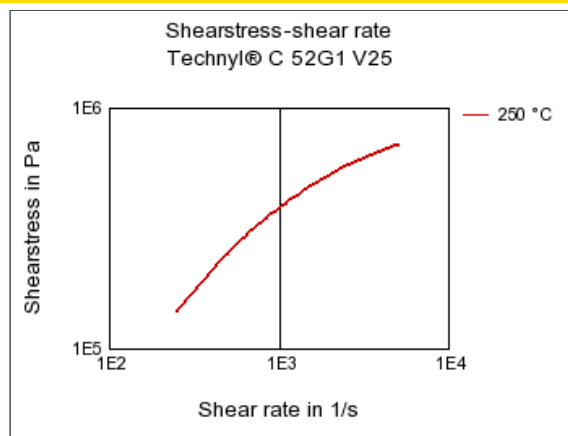
Rheological properties	dry / cond	Unit	Test Standard
<b>ISO Data</b>			
Molding shrinkage, parallel	0.8 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	6850 / 4350	MPa	ISO 527-1/-2
Stress at break	85 / 51	MPa	ISO 527-1/-2
Strain at break	2.7 / 4.2	%	ISO 527-1/-2
Charpy impact strength (+23°C)	41 / 84	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3.5 / 8.6	kJ/m²	ISO 179/1eA
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature (10°C/min)	220 / *	°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 / *	-	-
Oxygen index	33 / *	%	ISO 4589-1/-2
<b>Electrical properties</b>			
<b>ISO Data</b>			
Comparative tracking index	550 / -	-	IEC 60112
<b>Other properties</b>			
<b>ISO Data</b>			
Water absorption	1.1 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m³	ISO 1183

## Diagrams

### Viscosity-shear rate



### Shearstress-shear rate



## 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:

- Mould
- Barrel temperatures: -feed zone 230 ~ 240°C
- compression zone 235 ~ 245°C