

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

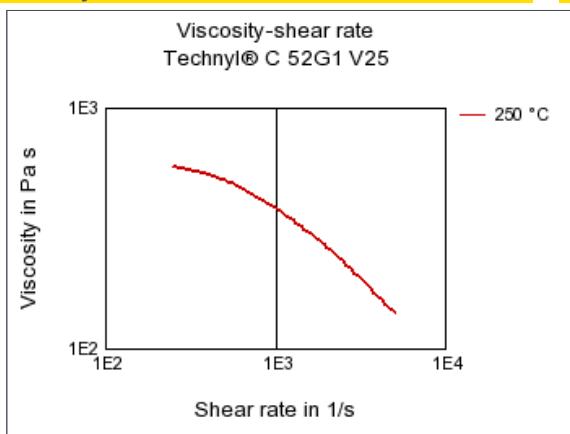
- contactors and switches

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

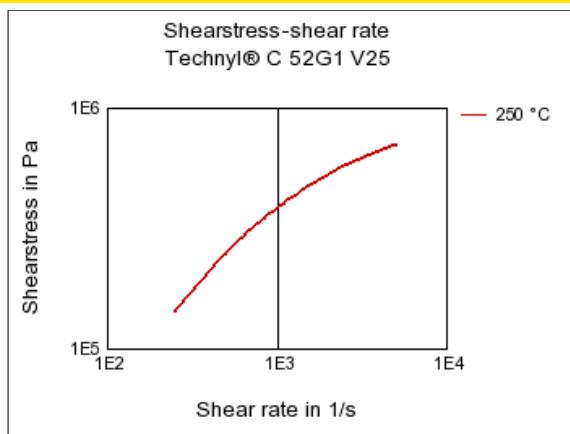
Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.8 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.6 / *	%	ISO 294-4, 2577
Mechanical properties			
ISO Data	dry / cond	Unit	Test Standard
	Tensile Modulus	6850 / 4350	MPa
	Stress at break	85 / 51	MPa
	Strain at break	2.7 / 4.2	%
	Charpy impact strength (+23°C)	41 / 84	kJ/m ²
	Charpy notched impact strength (+23°C)	3.5 / 8.6	kJ/m ²
Thermal properties			
ISO Data	dry / cond	Unit	Test Standard
	Melting temperature (10°C/min)	220 / *	°C
	Burning behav. at 1.5 mm nom. thickn.	V-2 / *	class
	Thickness tested	1.6 / *	mm
	UL recognition	UL / *	-
	Burning behav. at thickness h	V-2 / *	class
	Thickness tested	0.8 / *	mm
	UL recognition	UL / *	-
	Oxygen index	33 / *	%
			ISO 4589-1/-2
Electrical properties			
ISO Data	dry / cond	Unit	Test Standard
	Comparative tracking index	550 / -	-
Other properties			
ISO Data	dry / cond	Unit	Test Standard
	Water absorption	1.1 / *	%
	Density	1350 / -	kg/m ³
			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