

TECHNYL® C 52G1 V25 GREY R7035 CF

Polyamide 6
Solvay Engineering Plastics

Message:
Polyamide 6, Glass-filled, glow-wire modified, color stabilised, lubricated for injection moulding.

General Information				
Filler / Reinforcement		Glass Fiber,25% Filler by Weight		
Additive		Color Stabilizer		
		Lubricant		
Features		Good Color Stability		
		Good Processability		
		Lubricated		
Uses		Switches		
Appearance		Grey		
Processing Method		Injection Molding		
Part Marking Code (ISO 11469)		>PA66-GF25-FR(30)<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	0.85	--	%	
Flow	0.65	--	%	
Water Absorption (23°C, 24 hr)	1.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6850	4350	MPa	ISO 527-2/1A
Tensile Stress (Break)	85.0	51.0	MPa	ISO 527-2/1A
Tensile Strain (Break)	2.7	4.2	%	ISO 527-2/1A
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	3.5	8.6	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	41	84	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	4.7	--	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	1.70	--	°C	ISO 75-2/Af
Melting Temperature	220	--	°C	ISO 11357-3

Electrical	Dry	Conditioned	Unit	Test Method
Comparative Tracking Index (Solution A)	550	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	V-2	--		
1.60 mm	V-2	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.800 mm	960	--	°C	
1.60 mm	960	--	°C	
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	230 to 240		°C	
Middle Temperature	235 to 245		°C	
Front Temperature	240 to 250		°C	
Mold Temperature	60.0 to 90.0		°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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