



Technyl® C 52G1 MX 25 Grey 7035

PA6-MF25

Solvay Engineering Plastics

Product Texts

Flame retardant polyamide PA6 reinforced with mineral fiber for injection molding, also suitable for thin wall parts.

This phosphorus and halogen free flame retardant grade is particularly suitable for equipment with robust glow wire resistance such as MCB housings.

This grade is available in grey colour.

Rheological properties	dry / cond	Unit	Test Standard
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ISO Data

Molding shrinkage, parallel	1.1 / *	%	ISO 294-4, 2577
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Mechanical properties	dry / cond	Unit	Test Standard
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ISO Data

Tensile Modulus	6130 / 4000	MPa	ISO 527-1/-2
Stress at break	70 / 55	MPa	ISO 527-1/-2
Strain at break	2 / 4	%	ISO 527-1/-2
Charpy impact strength (+23°C)	30 / 50	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3 / 6	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
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ISO Data

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	29 / *	%	ISO 4589-1/-2

Electrical properties	dry / cond	Unit	Test Standard
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ISO Data

Comparative tracking index	600 / -	-	IEC 60112
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Other properties	dry / cond	Unit	Test Standard
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ISO Data

Water absorption	1.1 / *	%	Sim. to ISO 62
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Test specimen production	Value	Unit	Test Standard
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ISO Data

Injection Molding, mold temperature	80	°C	ISO 10724
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Characteristics

Processing

Injection Molding

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 of less than 0.2% with a dehumidified air drying equipment at approx 80°C.

Recommended moulding conditions :

Barrel temperatures :

- feed zone 220 - 230°C
-compression zone 230 - 240°C
-front zone 245 - 255°C

Mould temperatures : 80°C