


Technyl® C 52G1 MX 25 Grey 7035

PA6-MF25

Solvay Engineering Plastics

Product Texts
Flame retardant polyamide (PA6) reinforced with mineral filler for injection moulding, also suitable for hot melt 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

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/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	3 / 6	kJ/m²	ISO 179/1eA

Thermal properties

dry / cond

Unit

Test Standard

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

ISO Data

Comparative tracking index	600 / -	-	IEC 60112
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Other properties

dry / cond

Unit

Test Standard

ISO Data

Water absorption	1.1 / *	%	Sim. to ISO 62
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Test specimen production

Value

Unit

Test Standard

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 upright 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