

PA.MXD6 | MAXIMID 7550GF | Glass fiber reinforced grade

- MAXIMID 7550GF is a glass fiber 50%-reinforced MXD6-PA grade.
- It is suitable for automotive, electrical & electronics, and consumer parts.

Physical properties	Test Standard	Unit	Value
Filler contents	ISO 4351	%	50
Specific gravity	ISO 1183	-	1.65
Water absorption(23 °C, 50 %RH)	ISO 62	%	0.17
Mold shrinkage(Flow direction, Φ = 100 mm, t = 3 mm)	KEP Method	%	0.2~0.3

Mechanical properties	Test Standard	Unit	Value
Tensile stress	ISO 527	MPa	300
Elongation at break	ISO 527	%	2
Flexural strength	ISO 178	MPa	425
Flexural modulus	ISO 178	MPa	18500
Charpy impact strength(Notched) @ 23°C	ISO 179/1eA	kJ/m ²	13.5

Thermal properties	Test Standard	Unit	Value
Melting point	DSC	°C	238
Heat deflection temperature(1.8 MPa)	ISO 75	°C	232
Coefficient of linear thermal expansion	ISO 11359	X 10 ⁻⁵ /°C	1.7
Flammability(t = 0.8 mm)	UL 94	Class	HB

Electrical properties	Test Standard	Unit	Value
Dielectric strength	IEC 60243	KV/mm	18

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Injection molding condition



Pre-drying (Suggested max. moisture : 0.1%)

It is recommend to dry material at 90°C(194°F) for 8 h at dehumidified dryer.

It is recommend to dry material at 120°C(248°F) for 4 h at dehumidified dryer.

Temperature

Mold temperature : 120 °C ~ 140 °C(248 °F ~ 284 °F)

Barrel temperature : 250 °C ~ 280 °C(482 °F ~ 536 °F)

Mold	Bn(Nozzle)	B3(Metering)	B2(Compression)	B1(Feeding)	Hopper
120 ~ 140 °C	270 ~ 280 °C	265 ~ 275 °C	260 ~ 270 °C	250 ~ 260 °C	60 ~ 80 °C
248 ~ 284 °F	518 ~ 536 °F	509 ~ 518 °F	500 ~ 518 °F	482 ~ 500 °F	140 ~ 176 °F

Plastification

Screw speed :

Back pressure :

Disclaimer

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