

MAXIMID 7550GF/PA.MXD6

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

	Properties	Test condition	Method	Unit	Value
Processing	Pre-Drying	4 - 8 h	Dehumidified Dryer (Suggested max. moisture 0,1%)	°C	90-120
	Molding (Barrel) Temperature	3-zone screw		°C	250-280
	Mold Temperature			°C	120-140
Physical	Density		ISO 1183	g/cm ³	1,65
	Filler contents		ISO 4351	%	50
	Molding Shrinkage (Flow Direction)	t 3mm, Ø 100mm	KEP Method	%	0,2-0,3
	Water absorption	23°C, 50% RH	ISO62	%	0,17
Thermal	Melting Point		DSC	°C	238
	Heat Deflection Temperature (HDT)	1,8MPa	ISO75	°C	232
	Flammability	t=0,8mm	UL94	Class	HB
	Coefficient of linear thermal expansion		ISO 11359	10 ⁻⁵ /°C	1,7
Mechanical	Tensile Strength		ISO 527	MPa	295
	Strain at Break		ISO 527	%	2,0
	Flexual Strength		ISO 178	MPa	400
	Flexual Modulus		ISO 178	MPa	18500
	Charpy Notched Impact Strength		ISO 179/1eA	kJ/m ²	11,5
	Surface Resistivity		IEC 60093	Ω	3*10 ¹⁶
	Volume Resistivity		IEC 60093	Ω • cm	10 ¹⁶
	Dielectric Strength		IEC 60243-1	kV /mm	18



Electrical

Permittivity	100Hz	IEC60250		4,5
Permittivity	1MHz	IEC60250		4,7
Dissipation Factor	100Hz	IEC60250		0,098
Dissipation Factor	1MHz	IEC60250		0,024

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

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