TEKUMA
... for your profit!

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/cm³	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/m²	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

TEKUMA KUNSTSTOFF GMBH

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