

INFINO GP-5150GT

Material that has the characteristic of high shape and low warpage with 15% GF reinforcement and can be applied to the switches for microwave or oven

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,42
	ASH Content	-	ISO 3451	%	15
	Melt Flow Index	250°C, 2,16kg	ISO 1133	g/10min	38
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	174
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	211
	Heat Deflection Temperature (annealing)	1.8 MPa, 4.0mm	ISO 75-2	°C	174
	Heat Deflection Temperature (annealing)	0.45 MPa, 4.0mm	ISO 75-2	°C	211
	Vicat Softening Temperature	B/50	ISO R 306	°C	200
	Vicat Softening Temperature	B/120	ISO R 306	°C	203
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	101
	Flexural Strength	2mm/min	ISO 178	MPa	172
	Flexural Modulus	2mm/min	ISO 178	MPa	5900
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	5,3
	Rockwell Hardness	R-scale	ISO 2039-2	-	120
	Tensile Strain at Break	5mm/min	ISO 527	%	3,4
	Tensile Modulus	5mm/min	ISO 527	MPa	4700
	Tensile Strength at Break	5mm/min	ISO 527	MPa	101