

# INFINO GP-5000

General PBT material that can be used for connector

	Properties	Test condition	Method	Unit	Value
Flammability	Flammability	HB	UL94	mm	0,7
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,3
	Melt Flow Index	250°C, 2,16kg	ISO 1133	g/10min	71
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	59
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	124
	Vicat Softening Temperature	B/50	ISO R 306	°C	194
	Vicat Softening Temperature	B/120	ISO R 306	°C	185
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	55
	Tensile Strain at Break	50mm/min	ISO 527	%	15
	Tensile Modulus	50mm/min	ISO 527	MPa	2300
	Tensile Strength at Break	50mm/min	ISO 527	MPa	47
	Flexural Strength	2mm/min	ISO 178	MPa	74
	Flexural Modulus	2mm/min	ISO 178	MPa	2100
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m <sup>2</sup>	4,5
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m <sup>2</sup>	4,9
	Rockwell Hardness	R-scale	ISO 2039-2	-	117
	Electrical	Dielectric Constant		IEC 60250	10 <sup>E6HZ</sup>
Dielectric Loss Tangent		-	IEC 60250	10 <sup>E6HZ</sup>	0,02