

Infino GP-5000

General PBT material that can be used for connector

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,3
	Melt Flow Index	250°C, 2,16kg	ISO 1133	g/10min	71
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 ²	4,5
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	4,9
	Rockwell Hardness	R-scale	ISO 2039-2	-	117
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
Flammability	Flammability	HB	UL94	mm	0,7
Electrical	Dielectric Constant		IEC 60250	10EΛ6HZ	3,1
	Dielectric Loss Tan-	-	IEC 60250	10EΛ6HZ	0,02



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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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