

# Infino EN-1052

Non-halogen flame-retardant material with high heat resistance that can be applied to battery charger

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,18
	Melt Flow Index	250°C,10kg	ISO 1133	g/10min	19
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	55
	Tensile Strain at Break	50mm/min	ISO 527	%	109
	Tensile Modulus	50mm/min	ISO 527	MPa	2100
	Tensile Strength at Break	50mm/min	ISO 527	MPa	67
	Flexural Strength	2mm/min	ISO 178	MPa	80
	Flexural Modulus	2mm/min	ISO 178	MPa	2100
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m <sup>2</sup>	65
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m <sup>2</sup>	70
	Rockwell Hardness	R-scale	ISO 2039-2	-	120
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	121
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	135
	Heat Deflection Temperature (annealing)	1.8 MPa, 4.0mm	ISO 75-2	°C	123
	Heat Deflection Temperature (annealing)	0.45 MPa, 4.0mm	ISO 75-2	°C	135
	Vicat Softening Temperature	B/50	ISO R 306	°C	140
	Vicat Softening Temperature	B/120	ISO R 306	°C	145

	Properties	Test condition	Method	Unit	Value
	RTI, Ele	1.5 ,V-0	UL746B	°C	130
	RTI, Imp	1.5 ,V-0	UL746B	°C	130
	RTI, Str	1.5 ,V-0	UL746B	°C	130
Flammability	Flammability	V-2	UL94	mm	0,75
	Flammability	V-0	UL94	mm	1.5,3.0

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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