

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
Flammability	Flammability	V-2	UL94	mm	0,75
	Flammability	V-0	UL94	mm	1,5,3,0
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,18
	Melt Flow Index	250°C,10kg	ISO 1133	g/10min	19
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
	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
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 ²	65
Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	70
Rockwell Hardness	R-scale	ISO 2039-2	-	120
