

Polycarbonate, bromine-free, flame-resistant insulation sheet
SunMorfee™ V

What is SunMorfee™ V?

SunMorfee™V is an eco-friendly (bromine-free) polycarbonate-based flame-resistant insulation sheet. SunMorfee™V has been employed in varied applications such as LCD TV and power supply adapter for note-book PC for long time and proved to be high reliable insulation sheet.



Point 1 Excellent flame resistance
(UL File No.E301813)



✓ 0.40~3.0mmt UL94 V-0
 ✓ 0.10~0.25mmt UL94 VTM-0

Point 2 Environmentally friendly material



- Without using brominated or phosphate flame retardant agent
- Qualified for RoHS
- Qualified for Blue Angel Mark

Point 3 Maintains excellent heat stability and the same mechanical properties of polycarbonate resin



RTI at 130°C approved

Heatproof durability for bending, high impact strength, high heat resistance

Revised registration of SunMorfee™ V "RTI(Ele/ Imp/ Str)= 130/ 120/ 130[°C]" (0.1-3mm thickness of material)

Applications



Notebook PC



Projector

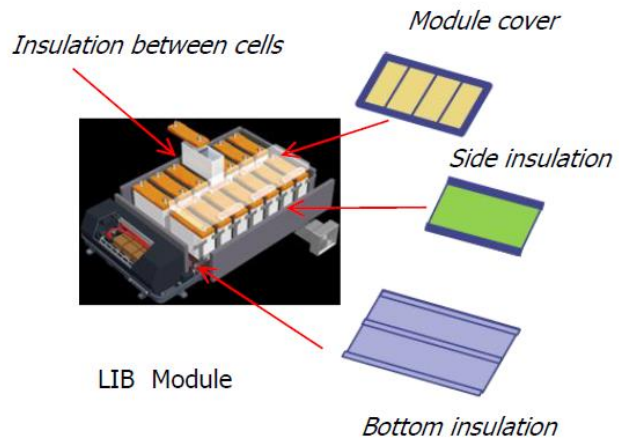


LCD TV



AC Adapter

Best solution to electric insulation separator with thin film and vacuum forming in LIB module.



Characteristics

Item	Test method	Unit	<i>SunMorfeeTM V</i>	
Part number	—	—	VS120a (Natural) , VS520a (Black)	
Thickness	—	Mm	0.1~0.25mm (VTM-0)	0.4~0.8mm (V-0)
Specific gravity	JIS K 7112	—	1.23 (Natural)	1.23 (Black)
Glass transition temperature	DSC method	°C	147 (Natural)	147 (Black)
Breakdown voltage	ASTM D149	k V	31 (Natural, 0.43mm) , 26 (Black, 0.43mm)	
Long-term heat resistance (UL RTI registration)	UL	°C	Elec/Imp/Str = 130/120/130 (0.1mm~3mm) (UL file No. E301813)	

* The above are just measurements, not guaranteed.

UL registration

Plastics - Component

RP TOPLA LIMITED
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E301813

Dsg	Color	Min Thk mm	Flame Class	H W I	H A I	Elec Str	RTI Imp	Mech Str	V T	4 9	C T	H D	
												R	S I
Polycarbonate (PC) furnished as sheets or film													
VS120a, VS520a	NC, BK	0.070	VTM-0	-	-	80	80	80	3	7	3		
		0.100-0.25	VTM-0	3	4	130	120	130	-	-	-		
		0.4	V-0	3	3	130	120	130	-	-	-		
		3.0	V-0	2	3	130	120	130	-	-	-		

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Product line

Thickness	Width	Length
0.10mm	600mm	600M
0.20mm	600mm	300M
0.25mm	600mm	240M
0.43mm	600mm	140M
	1,100mm	
0.50mm	600mm	120M
	1,100mm	
0.80mm	600mm	100M

Contact info.

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