

Flame Retarded Modified PPE Sheet

DIANIUMTM MS-9002

■ Characteristics

1. Acquired UL-94V-0, VTM-0 with non-halogen
2. Applicable to stamping and bending in the same way as heat resistant PVC.
3. Wide range of thickness (0.1 mm~0.5 mm)

■ Applications

1. Electrical insulation material for electrical appliances and office-equipments

■ Specifications

Thickness(mm)	Width(mm)	Length(m)	Color	Flame resistance
0.1	600	500	Black	UL-94VTM-0
0.2		300		
0.3		200		UL-94V-0
0.4		150		
0.5		100		

Please consult for special sizes, etc.

■ Physical properties

Test Items (unit)	Test method	Modified PPE MS-9002			
			0.1 mm	0.2 mm	0.3 mm
Tensile (MPa)	JIS K 6734	P	70.5	71.6	67.6
		V	61.9	67.9	64.6
Vicat softening point(°C)	JIS K 7206	122			
Brittleness temperature(°C)	ASTM D-1790	-55 \geq			
Absorption coefficient (%)	JIS K 7209	0.03			
Dielectric breakdown voltage (kV)	JIS C 2318		14.4	19.6	22.4
Thermal expansion (%)	JIS K 6734	P	-0.15	-0.25	-0.13
	(100°C × 10min.)	V	±0.00	+0.14	+0.02
	Based on JIS K 6734	P	-2.96	-2.93	-1.28
	(130°C × 5minutes)	V	-0.60	-1.14	-0.26
Flammability	UL Test Method for Flammability	Acquired UL-94VTM-0			Acquired UL-94V-0

* Upper test report is not a guarantee value, but a measurement value.

- Please take note that data of literature are subject to change without prior notice.
- Printed color may be different from the original product.
- All rights are reserved.

■ Important Safeguards

Directions for safe use are prepared for the purpose of maintaining the safety of customers and your clients and property. The products carrying warning and caution, please read following details.



If this product is mishandled in defiance of this sign, you may have a risk of death or serious injury.

- Absolutely do not implant, insert in the body.
- Never use for any applications for which the material will be left in the body.
- In case of using for medical devices, foodstuff, other special purpose applications, please test and make certain that you can do so safely.



If this product is mishandled in defiance of this sign, you may have a risk of serious injury and property damage.

- During forming and carrying, wear proper protective gears to prevent possible injury to hands and fingers.
- The gases generated from decomposed products, low molecular weight products, residual solvent will be formed by melting. Therefore, please install effective local ventilation facilities for remove these.
- Prior to disposal, confirm the law about waste-disposal and cleaning work. If you dispose of the waste material, entrust recognized industrial waste-disposal service or city's Sanitation Bureau.
- The burning of waste need a refuse incinerator and confirm the law about an anti-airpollution.