

UHMWPE POROUS MATERIAL

# SUNMAP LC-TW1

## Features

- As SUNMAP is a porous sintered material having an open-cell structure; it offers the excellent air and moisture permeability.
- As SUNMAP is made of porous UHMWPE having high wear resistance and low friction coefficient the slip properties of SUNMAP is enhanced.
- SUNMAP offers good chemical resistance against typical acids and alkalis.
- Antistatic

## Structure

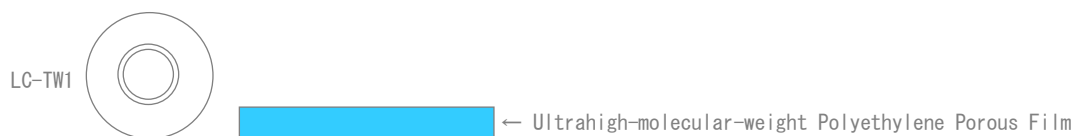


Fig. 1

## Properties

Table 1. General Properties

Item	Unit	Characteristic value			Test method
		0.2	0.3	0.5	
Thickness	mm	0.2	0.3	0.5	—
Air permeability	cm <sup>3</sup> /cm <sup>2</sup> /sec	8	7	1.4	JIS L1096
Pore size	μm	17			—
Porosity	%	30			—
Tensile strength	MPa	12			JIS C2107
Elongation	%	90			JIS C2107
Hardness	Shore D	48			ASTM D2240
Surface Roughness (Ra)	μm	2.0			JIS B 0601
Coefficient of kinetic friction	—	0.1			JIS K7125
Surface resistance	Ω/□	1×10 <sup>10</sup>			JIS K7194

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LC-TW1\_03E  
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## Product size

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Table 2 Roll type

Thickness (mm)	Width (mm)	Length (m)
0.2	600~1000	10
0.3		
0.5		

## Applications

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- In ceramic condenser manufacturing process, SUNMAP is used as “shock-absorber”.
- In LCD manufacturing process, SUNMAP is used as “shock-absorber”.

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