



PT Basis Pancakarya

Jl. Raya Sumber Jaya No. 61, Tambun 17510, Bekasi Timur, Jawa Barat, Indonesia
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TEST REPORT

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Product ID : Interlocking Electrical Insulation Rubber Mat (IEIRM 2001)
 Rubber Type : Natural Rubber (NR)
 Surface Pattern : Mega Plus
 Room Temperature : 27°C Humidity : 56 %

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Physical Properties

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	Test Method	Test result	Requirements	Unit
Thickness		14,0	> 6,4	mm
Hardness	ASTM D2240	63		Shore A
Density	ASTM D297	1,46		gr/cm ³
Tensile Strength	ASTM D412	8,10	>4,83	mpa
Tear Resistance, Die C	ASTM D624	13		N/mm
Abrasion	DIN 53516	380		mm ³
Elongation at Break	ASTM D412	330	>250	%
Temperature Resistance	ASTM D5499	-46 .. + 85		°C

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Electrical Properties

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	Test Method	Test result	Requirements	Unit
Volume Resistivity	ASTM D 257	1,8 . 10 ¹³		Ohm.cm
Dielectric Breakdowns	ASTM D149	>100	>70	KV DC
High Voltage time test; 15 KV DC on 1 mm rubber sheet; 10 minutes	ASTM D149	Pass		
Interlocking Section				
Volume Resistivity	ASTM D 257	2,5 . 10 ¹³		Ohm.cm
High Voltage time test; 15 KV DC 10 minutes	ASTM D149	Pass		

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After Aging Properties

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	Test Method	Test result	Requirements	Unit
Ozone Resistance (20 pphm, 3h, 40°C, 20% Strain)	ASTM D 518	No Cracks	No Cracks	
Immersion in Water (24h at 27°C)				
Moisture absorption (Change in Weight)	ASTM D570	+0,2	< 3,0	%
Change in Volume Resistivity	ASTM D 257	-32		%
High Voltage time test; 15 KV DC on 1 mm rubber sheet; 10 minutes	ASTM D149	Pass		
Interlocking Section				
Volume Resistivity	ASTM D 257	-33		%
High Voltage time test; 15 KV DC 10 minutes	ASTM D149	Pass		

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This Interlocking Electrical Insulation Rubber Mat IEIRM2001 can meet ASTM D178 Type II A - Class 2.

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Tambun, 08 November 2015

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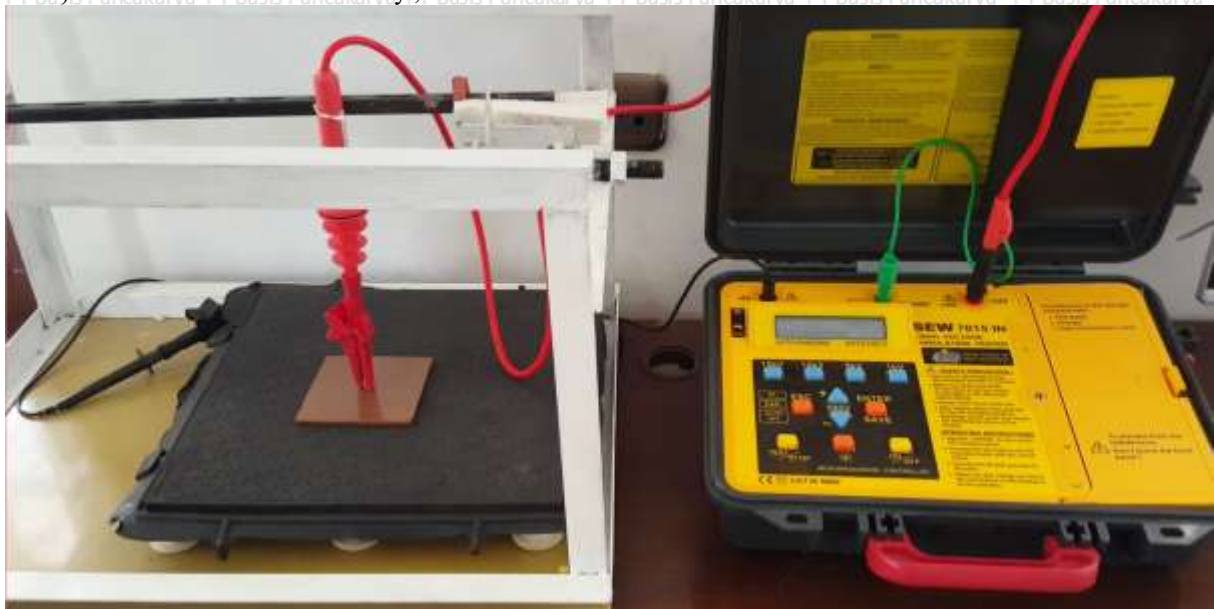


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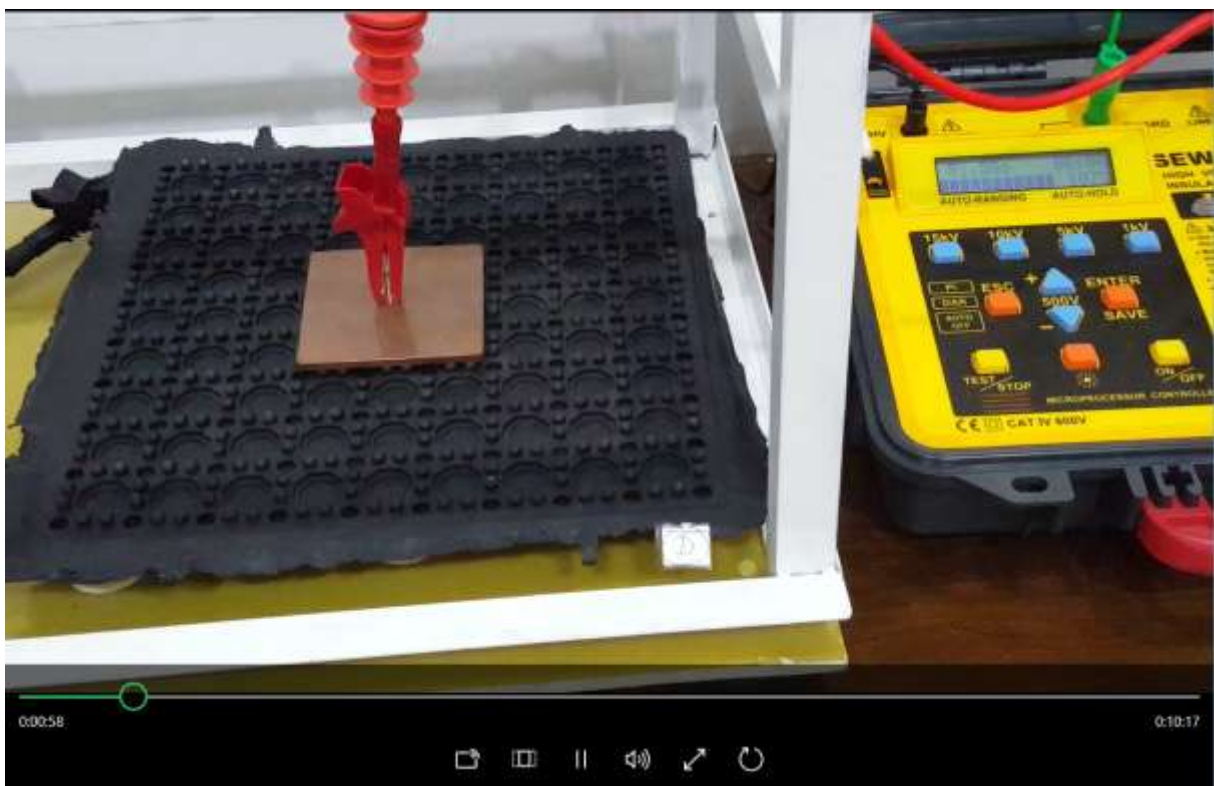
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a) Test for Volume Resistivity ; 15 KV DC on 14 mm rubber mat



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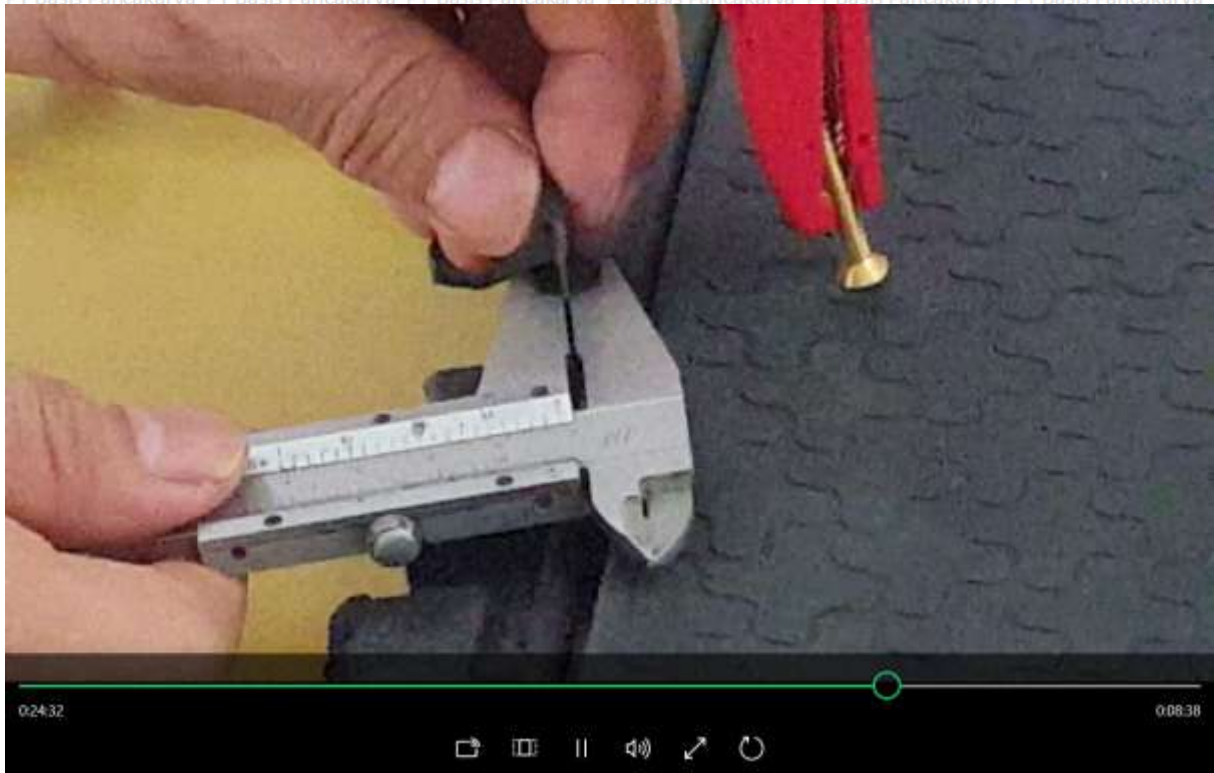
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b) Dielectric Breakdowns Test and High Voltage time test; 15 KV DC on 1 mm rubber sheet; 10 minutes



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c) Test for intererlock sections



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d) Immersion in Water (24 h ; 27°C)



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