

**PRODUCT DESCRIPTION - DATA SHEET**

4949D-AB is a one side Anti-bacteria PC film with anti scratches function.

Properties	Standard	Unit	Typical Value
<b>Physical Properties</b>			
Color/Density	Transparent Clear	± 5 %	1.2
Refraction Rate	JIS- D7105	%	1.49
<b>Optical Properties</b>			
Haze	ASTM - D 1003-61	% (max)	>88
Light Transmission	ASTM - D 1003-61	% (min)	0.3
<b>Mechanical Properties</b>			
Tensile Strength	JIS-D5400		HB
<b>Thermal Properties</b>			
Coefficient of Thermal Expansion	ASTM - D 1525-76	°C	120
Thermal Conductivity Rate	ASTM-D 1637	°C	140
Thermal Conductivity Rate	UL94		V2
Thermal Shrinkage (150°C)	DSC Scanning	°C	255

ANTI-BACTERIA PROPERTIES	Result
Test Organism	Escherichia coli ATCC 8739
Concentration of bacteria (cfu/mL)	1.0x10 <sup>-6</sup>
Volume of test inoculum (mL)	0.2
U <sub>0</sub>	4.09
U <sub>t</sub>	4.54
At	-0.2
R	4.7
Comment	Pass

This Technical data is not available for legal certification. Only use for reference information of coating agent.

Tip: This test data is for reference only, not as an absolute application index.

Thicknesses: 0,175 mm to 0,750 mm.

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