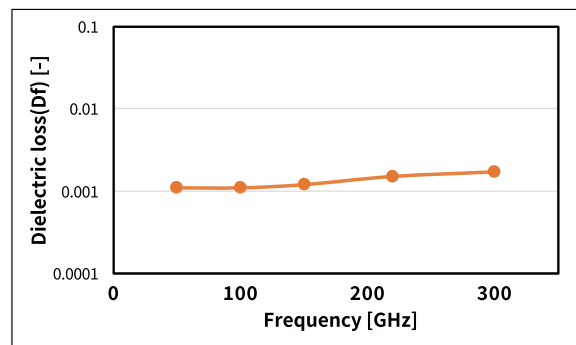
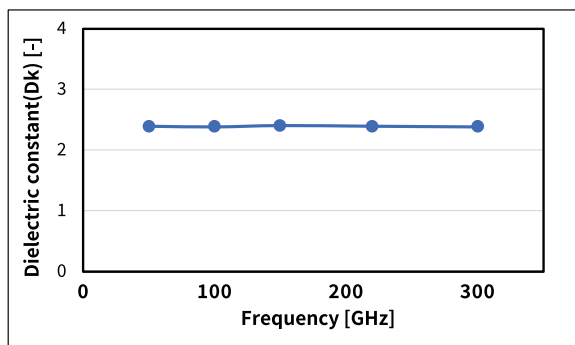


For the FUTURE

5G/6G 通信向け OCA OCA For High Speed Communication

HSC56x Series

- 高速通信向けに低比誘電率 (Dk) ・ 低誘電損失 (Df) を達成
Low dielectric constant (Dk) and low dielectric loss (Df) for high speed communication.
- 強粘着力
Strong peel adhesion.
- 高い透明性：光学用途に最適
High transparency: Ideal for optical applications.



※ Measured by EM labs (Fabry-Perot resonator "FP series")

遮熱ウィンドウフィルム「サステナクリア」[※] Heat Shield Film ※商標登録申請中

ECO-IR050CL

- 高透過率かつ遮熱性を保持
High transmittance and high performance heat shield function.
- 剥離フィルムにペットボトル由来材料を使用、エコマーク認定取得。
Release film contains recycled PET bottle resin.



エコマーク認定番号
22118008

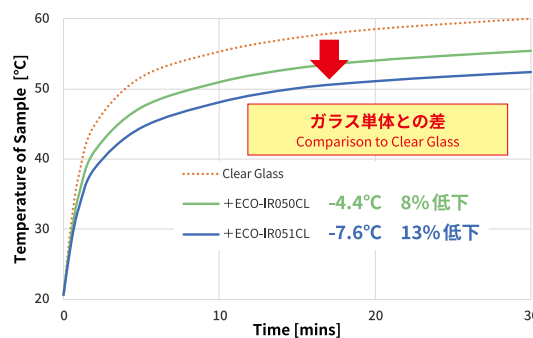
ECO-IR051CL (Developed)

- 更なる遮熱性の向上
Further heat shield performance.

ラインアップ比較 Lineup comparison

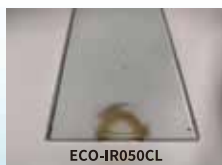
品名 Product	高透過率 Transmittance	遮熱性 Heat shield performance
ECO-IR050CL	◎	○
ECO-IR051CL	◎	◎

遮熱性 Heat Shield Performance



JIS L1951 人工太陽光源を用いた遮熱性試験
JIS L1951 Heat Shield Performance evaluation by human made sun light

耐燃性試験 JIS S3107 Flame resistance test



自消性
self-extinguishing



自消性
self-extinguishing

用途(例) Application examples



Performance Characteristics

ITEM		Unit	HSC566	
Thickness	Heavy Release Liner	μm	100	*1
	Adhesive		150	
	Light Release Liner		75	
Dielectric Constant @25°C Dk/Df	50GHz(Broad band)	-	2.39 / 0.0011	**
	100GHz(Broad band)		2.38 / 0.0011	
	150GHz(D band)		2.40 / 0.0012	
	220GHz(D band)		2.39 / 0.0015	
	300GHz(J band)		2.38 / 0.0017	
180°Peel adhesion to Glass	After 24hrs	N/25mm	53	*2
Optical characteristics (Including Glass)	Transmittance	%	91.7	*3
	Haze	%	0.3	*4
	b*	-	0.3	*5

ITEM		Unit	ECO-IR050CL	ECO-IR051CL (Developed)	
Thickness	Base Film	μm	41	78	*1
	Adhesive		12	15	
	Release Liner		38	38	
180°Peel adhesion to Glass	After 24hrs	N/25mm	4	4	*6
Optical characteristics (Including Glass)	Visible Light Transmittance	%	84.9	87.1	*7
	Ultraviolet Transmittance	%	0.1	0.1	
	Shading Coefficient	-	0.8	0.7	
	Haze	%	0.2	0.9	*8
	Reflection L*	-	36	40	*9
	Reflection a*	-	-1	2	
	Reflection b*	-	-1	-9	
Electromagnetic permeability	EM shielding(800MHz)	dB	<0.1	<0.1	*10
Steel Wool scratch test	10times(50g/cm ² load, #0000)	-	Excellent	Excellent	-

※<Technical Data> The test data is measurements and not a guaranteed value.

*1:JIS Z0237,*2:JIS Z0237,*3:JIS K7361-1,*4:JIS K7136,*5:JIS Z8781,*6:JIS Z0237,*7:JIS A5759,

*8:JIS K7136,*9:JIS Z8722,*10:KEC method

** :Measured by EM labs(Fabry-Perot resonator “FP series”) <https://www.emlabs.jp>

