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Product # WINCOS BR-50UH RECYCLE 100

Feature

・Clear shatterproof film made with 100% recycled polyester resin
・Certified Recycling recommendation mark products by Japan PET bottle association.
(Certification No.202516003)

PETボトル 再利用品

Application

・Solar control film

Available functions

Shatter proof	Security	UV cut	Solar control	Insect repellent	Exterior application	Hard coat	Recycled PET
○		○	○	○		○	○

○: integrated features

Standard size

・970mm×50m
・1,250mm×50m
・1,550mm×30m

Product construction

Hard coat	:IR(Infra-Red) cutting coating
Facefilm	:Polyester film(Recycled PET 100%)
Adhesive	:Acrylic adhesive
Release liner	:Polyester film

JIS category

Code	GI-1/GD-1
	SC-1-E

Physical properties

Thickness μm※1	Tensile strength N/25mm	Tensile elongation %	Adhesion strength N/25mm
75	218	138	13

※1-Thickness referred as facefilm + adhesive (Construction value)

Fire safety certification※2

Certification No.	-
Name	-
Base	-

※2-Certifed by Japan MLIT

Optical properties

	Visible light (%)		UV (%)	Solar transmittance (%)			Shading coefficient	Heat transmision coefficent (W/㎡K)	Solar heat gain factor
	Transmittance	Reflectance	transmittance	transmittance	Refelctance	Absorption			
BR-50UH RECYCLE 100	85	8	0.4	57	7	36	0.79	6.1	0.7
(Ref.)3mm Float glass	90	9	75	86	8	6	1.00	5.9	0.88

※Solar-ray wavelength UV : 300nm～380nm、Visible : 380nm～780nm、Solar : 300nm～2,500nm
※The indicated value using 3mm glass with film applied, based on JIS A5759

※These values represent measured value and are not guaranteed.
Please verify performance in advince according to your application.

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Terminology

【Shatter proof】
Effective in reducing scattering of glass shards

【Security】
High security featured film which has high penetration resistance

【UV cut】
Cuts 99% of UV light and prevents fading of interior furnishing caused by UV exposure
＊Fading can be caused by factors other than UV exposure, so this is not a guarantee.

【Solar control】
Effective in preventing the inflow of solar radiation energy into the room.

【Insect repellent】
Effective in reducing flying insects attracted to indoor lighting such as fluorescent lights

【Exterior application】
Can be applied on exterior surface

【Hard coat】
The film surface is coated with a coating layer that is highly resistant to abrasion.

【Recycled PET】
Facefilm use 100% recycled PET resin.
The Council for PET bottle recycling (Japan) certified recycling product
https://www.petbottle-rec.gr.jp/product/catalog/rowR/Ri2.html

Storage conditions

・Avoid high humidity and high temperature.
・Be sure to place the product in a packaging bag and hang it in mid-air, and avoid exposing it to direct sunlight or UV light at close range.
・Under low or high temperature conditions, the adhesive strength and holding power will decrease and the tape will peel off easily.
・Ideal condition10℃~30℃, < 70%RH
・Store the product in a packaging bag to prevent moisture contact, chemicals, etc., and do not expose to shocks.
・If the film is stored loosely wound, air will get between the facefilm and the liner, causing defects in appearance.

＊This document provides product information about this product and does not guarantee its performance or quality.
＊Product specifications and appearance may be changed without notice for improvement purposes.

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