

3M Privacy Filter LCF-P ABR0 Specifications

Technical Data Sheet

April, 2012

Description This document provides customer specifications for Light Control Film, LCF-P Hi-T ABR0 48 degree

Applications LCF-P Hi-T ABR0 is a light control film that controls the amount of light that passes through the film at high angles. At small angles, close to perpendicular to the surface of the privacy filter, the majority of the incident light is transmitted through the privacy filter. At angles outside of the 48 degree viewing angle, light is absorbed by the black louver layer providing the user with privacy.

Material

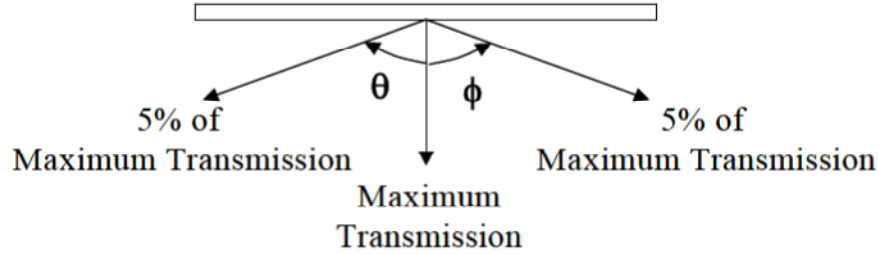
Outer Substrates: Non Abrasion Resistant PET Film (both sides gloss finish)
Louver Layer: Cellulose Resin and Carbon Black
Adhesive Layer: Acrylic Adhesive

Typical Properties

Property (Test Method)	Typical Value
Viewing Angle	48° ± 8°
Louver Angle	0° ± 6°
Louver Type	HG (Anti-ghosting type)
Nominal thickness	0.68mm ± 0.08 mm
Cold resistance	-30°C, 500 hours
Heat resistance	85°C, 500 hours
Humidity resistance	65°C, 95% relative humidity, 500 hours
Thermal shock resistance	-35°C for 1 hr to 85°C for 1 hr, 100 hours
Haze Change	Less than 2.0
Color Change	Delta E 2.0
Maximum Total Transmission	Minimum 70%

Viewing Angle Definition

- Viewing Angle – The sum of the angles (θ and ϕ), measured from the angle of maximum transmission, at which only 5% of the maximum transmission is transmitted through the film.



Protective Liners LCF-P ABR0 Privacy Filter kits have protective liners on both sides of the gloss privacy film to protect during shipping, handling, or laminating.

Availability For availability, please contact our customer service group at 1-800-553-9215 or visit our website at 3mprivacyfilter.com

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