

3M™ Privacy Filter LCF 188AET 0FA48 Specifications

Technical Data Sheet

February, 2019

Description This document provides customer specifications for Light Control Film, LCF 188AET 0FA48 degree

Applications LCF 188AET 0FA48 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: Abrasion Resistant PET Film (one side gloss and one side matte finish)

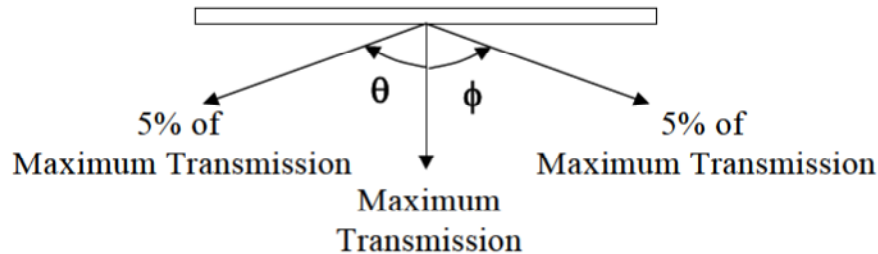
Louver Layer: Cellulose Resin and Carbon Black

Typical Properties

Property (Test Method)	Typical Value
Viewing Angle	48°
Nominal thickness	0.52mm
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 75%

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 188AET 0FA48 Privacy Filter kits have protective liners on both sides of the 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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