



ZYTRONIC DATA SHEET

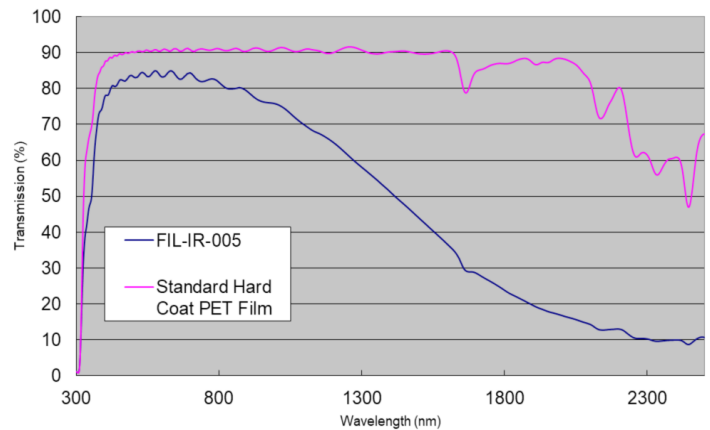
IR-REDUCTION FILM



OPERATION

Zytronic's IR-Reduction film is a durable, optically clear, hard coated polyester filter. It can be specified as an option on our award winning and patented PCT™ and MPCT™ glass touch sensors.

Spectral Transmittance Graph (FIL-IR-005 vs Standard Hard Coat PET Film)



FEATURES

The IR-REDUCTION FILM reduces the transmission of Infra-Red (IR) energy through the touch sensor and provides system designers with a useful tool to help thermal management and cooling within a kiosk, ATM or other self-service terminal, thereby aiding in the protection of internal components sensitive to high temperatures, such as the LCD.

The film is warranted by Zytronic as standard and will be of particular interest to manufacturers of touchscreen systems designed for use outdoors, located in direct sunlight, or in applications where there is a high ambient external temperature.

To see how this useful customisation can help your design, please contact your local Zytronic representative or sales person to discuss samples and a quotation.

FIL - IR - 005

Total film thickness	127µm ± 10.0% (125µm PET base film with ~2µm of IR coating)
Total Light Transmittance	> 81.0%
Haze	< 1.5%
Spectral Transmittance	< 80.0% (1000nm) < 55.0% (1500nm) < 25.0% (2000nm)
Scratch Resistance	Hard Coat H

IR-REDUCTION FILM

USAGE

Can be laminated to the rear surface of the following Zytronic products to reduce IR and solar heating: ZyBrid®, ZyTouch®, Glass Laminates

QUALITY

See cosmetic specification www.zytronic.co.uk/quality-assurance/product-specification/

APPROVALS

RoHS compliant

CE, FCC & UL approved www.zytronic.co.uk/quality-assurance/

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Company No: 379908. Registered in England. VAT No: GB 746 4858 88

Whiteley Road
Blaydon on Tyne
Tyne & Wear
NE21 5NJ
United Kingdom

T: +44 (0) 191 414 5511
F: +44 (0) 191 414 0545
E: info@zytronic.co.uk

www.zytronic.co.uk