

AUTOMOTIVE WINDOW FILM PERFORMANCE DATA



% Visible Light Transmission % Total Solar Energy Rejection % IR Energy Rejection (IRER)* % Selective IR Rejection (SIRR)** % Ultraviolet Protection (wavelengths 300-380nm) % Glare Reduction % Visible Light Reflection (exterior)

OUR BEST



| IRX Series Infrared-Rejecting Ceramic Film | | For our best heat rejection, advanced nanoceramic IR-blocking technology, and no sacrifices. Manufacturer's Lifetime Limited Warranty *** | | | | | |
|--|----|--|----|----|-----|----|---|
| IRX 05 CH SR HPR (Charcoal)† | 5 | 62 | 59 | 85 | >99 | 94 | 5 |
| IRX 15 CH SR HPR (Charcoal)† | 20 | 59 | 61 | 88 | >99 | 77 | 5 |
| IRX 35 CH SR HPR (Charcoal)† | 38 | 54 | 60 | 87 | >99 | 56 | 6 |
| IRX 50 CH SR HPR (Charcoal)† | 53 | 49 | 60 | 87 | >99 | 40 | 7 |

EXCELLENT



| CTX Series Ceramic Film | | For excellent heat rejection without blocking electronic signal transmission. Manufacturer's 12 year Limited Warranty *** | | | | | |
|-----------------------------|----|--|----|----|-----|----|---|
| CTX 05 CH SR HPR (Charcoal) | 5 | 60 | 55 | 79 | >99 | 94 | 5 |
| CTX 15 CH SR HPR (Charcoal) | 20 | 53 | 49 | 69 | >99 | 78 | 5 |
| CTX 35 CH SR HPR (Charcoal) | 37 | 48 | 48 | 69 | >99 | 58 | 6 |
| CTX 50 CH SR HPR (Charcoal) | 55 | 43 | 48 | 68 | >99 | 37 | 7 |

GREAT

| ATR Series Metallised Film | | For great heat rejection with a slightly reflective look. Manufacturer's 10 year Limited Warranty *** | | | | | |
|------------------------------|----|--|----|----|-----|----|---|
| ATR 05 CH SR HPR (Charcoal) | 5 | 61 | 54 | 68 | >99 | 94 | 6 |
| ATR 15 CH SR HPR (Charcoal) | 18 | 48 | 38 | 51 | >99 | 80 | 5 |
| ATR 20 CH SR HPR (Charcoal) | 25 | 47 | 39 | 52 | >99 | 71 | 6 |
| ATR 35 CH SR HPR (Charcoal) | 37 | 44 | 40 | 53 | >99 | 59 | 8 |
| ATR 50 CH SR HPR (Charcoal) | 53 | 35 | 29 | 37 | >99 | 40 | 9 |

GOOD

| ATC Series Colour-Stable Dyed Film | | For good heat rejection, privacy and style. Manufacturer's 7 year Limited Warranty *** | | | | | |
|--------------------------------------|----|---|----|----|-----|----|---|
| ATC 05 CH SR HPR (Charcoal) | 5 | 44 | 22 | 29 | >99 | 94 | 5 |
| ATC 15 CH SR HPR (Charcoal) | 18 | 40 | 22 | 29 | >99 | 79 | 5 |
| ATC 20 CH SR HPR (Charcoal) | 25 | 38 | 22 | 29 | >99 | 72 | 6 |
| ATC 35 CH SR HPR (Charcoal) | 38 | 35 | 22 | 29 | >99 | 57 | 6 |
| ATC 50 CH SR HPR (Charcoal) | 60 | 28 | 22 | 28 | >99 | 32 | 7 |

| AIR Series Clear Window Film | | For virtually invisible, ceramic protection against heat and harmful UV rays. Manufacturer's 5 year Limited Warranty *** | | | | | |
|--------------------------------|----|---|----|----|-----|----|---|
| AIR 75 IR SR HPR (Clear) | 77 | 35 | 44 | 62 | >99 | 12 | 8 |
| AIR 80 BL SR HPR (Clear) | 77 | 43 | 60 | 86 | >99 | 13 | 9 |
| AIR 90 CL SR HPR (Clear) | 84 | 30 | 40 | 57 | >99 | 5 | 9 |

| UV Shield Series Ultraviolet Protection Window Film | | For excellent UV protection without reduced visibility. Manufacturer's 5 year Limited Warranty *** | | | | | |
|---|----|---|----|----|-----|---|----|
| AU 85 UV SR HPR (Clear) | 87 | 20 | 22 | 29 | >99 | 1 | 10 |

EASTMAN

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*IRER is a more complete measurement of heat experienced from solar infrared radiation (780-2500nm) including absorbed and re-radiated energy. **SIRR is a measurement of solar infrared radiation (780-2500nm) not directly transmitted through glass. ***Certain restrictions apply; see a dealer for details. †Based on data obtained during product development and is subject to change. Data captured using National Fenestration Rating Council's (NFRC) guidelines and calculated for single pane, nominal 1/4 inch (6mm) clear glass. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties. See LLumar.com for technical details. ©2020 Eastman Performance Films, LLC. Product brands referenced herein with a ™ or ® symbol are trademarks of Eastman Chemical Company or its subsidiaries. All other trademarks are the property of their respective owners. All rights reserved. No liability is accepted for errors. 04/20

