





## Product Description

- Potential savings on heating costs.
- Stay warmer by retaining more heat in cooler months.
- Helps reduce air conditioning costs.
- Stay cooler by reducing excessive heat in warmer months.
- Helps reduce glare and eye discomfort.
- Helps prolong the life and vibrancy of fabric, furniture and carpets.
- Helps reduce the chance of injury from flying glass.

## Product Performance & Technical Data

LE20								
	Single Pane		Tinted		Double Pane		Double tinted	
Film	1/4" Clear	LE20	1/4" tint	LE20	Dual 1/4" Clear	LE20	Dual 1/4" tint	LE20
Solar Heat Gain Coefficient	0.82	0.24	0.63	0.26	0.70	0.33	0.51	0.27
Visible Light Transmitted	88%	20%	53%	12%	79%	19%	47%	11%
Visible Light Reflected Interior	8%	58%	6%	58%	15%	58%	13%	58%
Visible Light Reflected Exterior	8%	52%	6%	22%	15%	52%	8%	21%
U Value (BTU/h•ft²•°F)	1.03	0.79	1.03	0.79	0.47	0.40	0.47	0.40
U Value (W/m²•K)	5.80	4.46	5.80	4.46	2.69	2.29	2.69	2.29
UV Block	43%	99.9%	NA	99.9%	NA	99.9%	NA	99.9%
Total Solar Energy Rejected	18%	76%	37%	75%	30%	67%	49%	73%
Glare Reduction	NA	77%	NA	78%	NA	76%	NA	77%
Heat Loss Reduction	NA	24%	NA	24%	NA	15%	NA	15%
Solar Heat Reduction	NA	71%	NA	60%	NA	53%	NA	47%
Light to Solar Gain	1.1	0.8	0.8	0.5	1.1	0.6	0.9	0.4

## Film Properties

Emissivity	0.397
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## Health and Safety

When handling any chemical products, read the manufacturers' container labels and the Safety Data Sheets (SDS) for important health, safety and environmental information. To obtain SDS sheets for 3M products go to [3M.com/SDS](http://3M.com/SDS), or by mail or in case of an emergency, call 1-888-364-3557 or 1-651-737-6501. When using any equipment, always follow the manufacturers' instructions for safe operation.

## Technical Information

Technical information and data, recommendations, and other statements provided by 3M are based on information, tests, or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed. Such technical information and data are intended for persons with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. The typical values shown should not be used for the purpose of specification limits. If you have questions about this Product, contact the Customer Service Department at 1-888-616-1488.

## Product Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

## Warranty

3M warrants that each 3M product will be free from defects in material and manufacture for the length of the product warranty. 3M MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

## Limited Remedy

If a 3M product does not conform to this warranty, the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

## No Extension of Warranty

In the case of an approved warranty claim, the replacement Product will carry only the remaining term of the original warranty period.

## Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted.



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