

Safety Window Film: Data Sheet Solar Gard[®] Graffitigard[®] 4 Mil

Physical Characteristics

VALUE	METHOD
100μm 115μm	Mitutoyo [®] Series Micrometer 293
175 N/mm² 150 N/mm²	ASTM D 882
45 N/m (20 minutes) 92 N/m (24 hours) 164 N/m (30 Days)	ASTM D903-98
7.50%	ASTM D 1044 (Taber Abrasion)
1mm maximum	30 minutes, 120°C
No residual left on glass	
	100μm 115μm 175 N/mm² 150 N/mm² 45 N/m (20 minutes) 92 N/m (24 hours) 164 N/m (30 Days) 7.50% 1mm maximum

Adhesion

Adhesion is measured by peeling specimens at a 180° angle from the substrate. Peel adhesion is the average result for the strips tested in Newtons per meter. Specimens are applied to substrate using standard application practices. Initial adhesion is measured 20 minutes after application followed by 24 hours.

Scratch Resistance

Scratch resistance is measured testing using the Taber Haze 5130 Abraser. Specimens are subjected to 100 cycles with two 500g weights. Abrasive damage is visually judged and numerically quantified by calculating the difference in haze percentage in accordance with Test Method ASTM D1003 between an abraded and unabraded specimens.

Storage

Window film should be stored in a dry, controlled environment. The temperature should not exceed 95° F (35° C) nor go below 50° F (10° C). The film should always be stored in the original packaging with the end plugs securely placed on the core.

Disclaimer

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