

Technical Data

NaturalLite Single skin



TOLERANCES

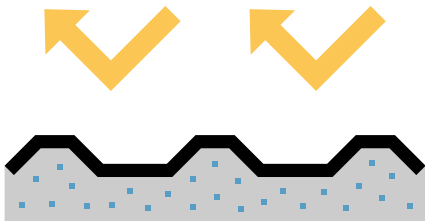
In accordance to
ASTM D3841

✓ LENGTH	✓ THICKNESS	✓ SQUARENESS	✓ WEIGHT
± 6mm for sheets less than 4.9m, 19±mm if sheets exceed 4.9m	± 10%	Within 3.2 mm of square	± 10%

PHYSICAL PROPERTIES

PROPERTY	VALUE	UNIT	STANDARD
Thickness	1-3	mm	ASTM D3841
Tensile strength	102.7	MPa	ASTM D638-14
Flexural strength	216	MPa	ASTM D790-14
Flexural modulus	7.6	GPa	ASTM D790-14
Barcol hardness	40-50	Barcol	ASTM D2583-13
Glass content	23	%	ASTM D1371-11
Service Temperature	-20 to 80	Degrees Celsius	ASTM D1371-11
Fragility	Non fragile Class B	-	ACR[M]001
U-Value	5.5 W/m²K	-	ASTM C518

OPTICAL PROPERTIES



SHEET THICKNESS	LIGHT TRANSMISSION
1.0 mm	80-85 %
1.3 mm	75-80 %
1.5 mm	70-75 %
2.0 mm	65-70 %
3.0 mm	60-65 %

* CUSTOMIZED COLORS CAN BE FORMULATED TO ACHIEVE A WIDE RANGE OF OPTICAL PROPERTIES.