

Dragontrail Glass

Data Sheet

Overview:

Dragontrail glass is produced using a High Ion Exchange (HIE) process is stronger and more durable than non HIE glass substrates. It is an ideal glass for chemical strengthening via High Ion Exchange process for use as cover glass for portable equipment such as smart phones, tablet PCs, and more.

Features and Benefits:

- Scratch resistant.
- Scratches are less noticeable.
- Crack resistant should scratches occur.

Material Properties:

Modulus of Elasticity (Young's)	10.7 x 10 ⁶ psi	74 GPa
Modulus of Rigidity (Shear)	4.3 x 10 ⁶ psi	30 GPa
Poisson's Ratio	0.23	0.23
Refractive Index	1.51	1.51
Knoop hardness	593	593
Density	155 lb/ft ³	2480 kg/m ³
Linear Coefficient of Expansion (50-350°C)	208436.113°F	9.8 x 10 ⁻⁶ /°C
Transformation Temperature	1119.2°F	604 °C
Softening Point (ASTM C 338)	1527.8°F	831°C
Annealing Point (ASTM C 336)	1122.8°F	606°C
Strain Point (ASTM C 336)	1032.8°F	556°C
Dielectric Constant Loss Tangent	1 MHz	7.4 0.019
	2400 MHz	7.4 0.011

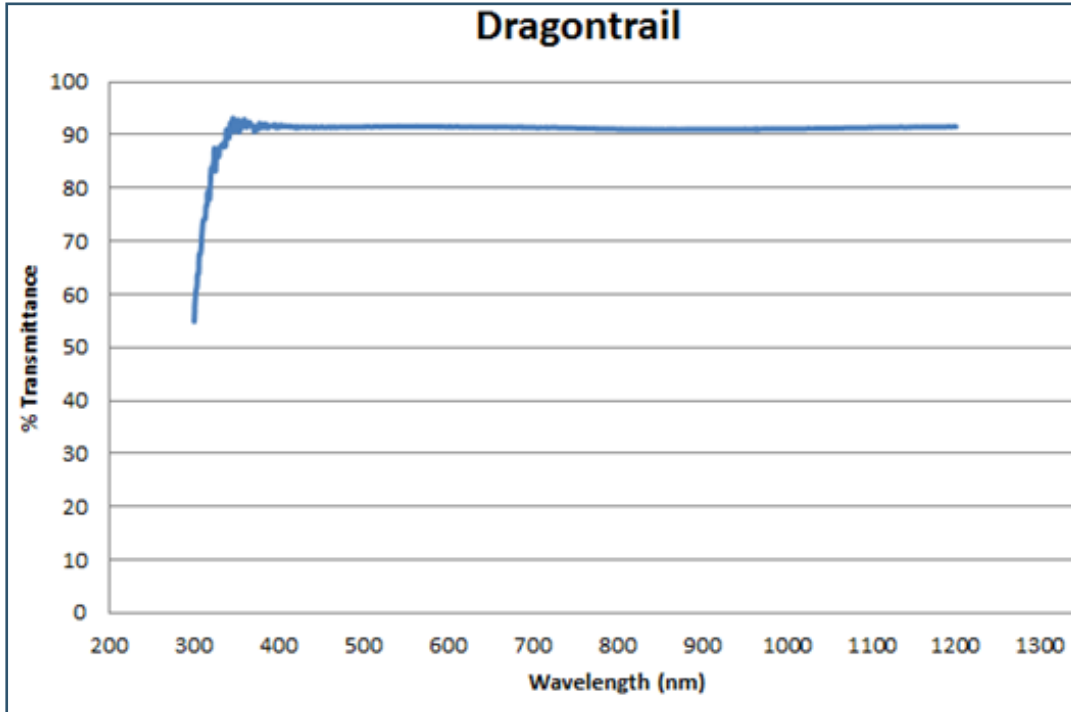
Dimensions of Standard Products

Thickness	0.019" to .043"	0.55 mm to 1.1 mm
Stock Sizes	60" x 37.5"	1524 mm x 952.5 mm

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Performance Data: (data collected on 1.1mm thickness)

Transmission Curve



Reflectance Curve

