

Product Datasheet: Dragontrail Pro Cover Glass Substrate

Mechanical property	Density [g/cm ³]		2.46
	Young's Modulus [GPa]		73
	Shear Modulus [GPa]		30
	Poisson's Ratio		0.22
	Vickers hardness (before CS) [kgf/mm ²]		540
	Vickers hardness (after CS) [kgf/mm ²]		670
Thermal property	CTE (50-350°C) [x10 ⁻⁷ /°C]		89
	Softening Point [°C]		852
	Annealing Point [°C]		635
	Strain Point [°C]		588
Optical property	Refraction Index (n _d)		1.51
	Photoelastic constant [nm/cm/MPa]		28.4
Electrical property	Dielectric constant Loss tangent	1M Hz	8.4 0.027
		2400MHz	7.6 0.020
Chemical durability	Weight loss [mg/cm ²]	HCl 0.1mol/l 90°C for 20hrs	0.06
		NaOH 0.1mol/l 90°C for 20hrs.	1.08
		HF 5% 25°C for 20min.	13.4

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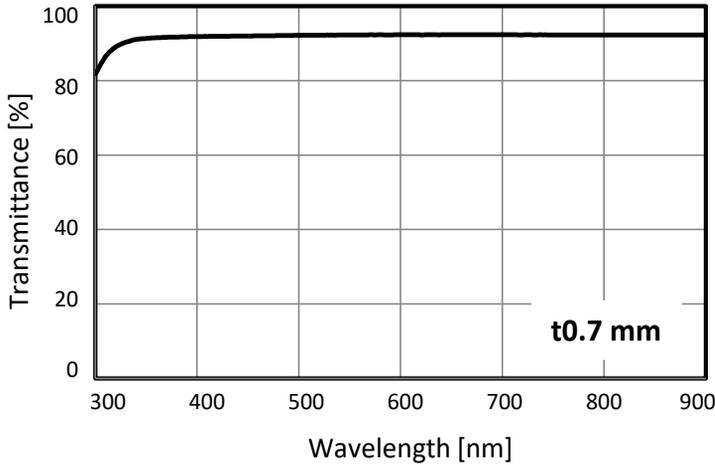
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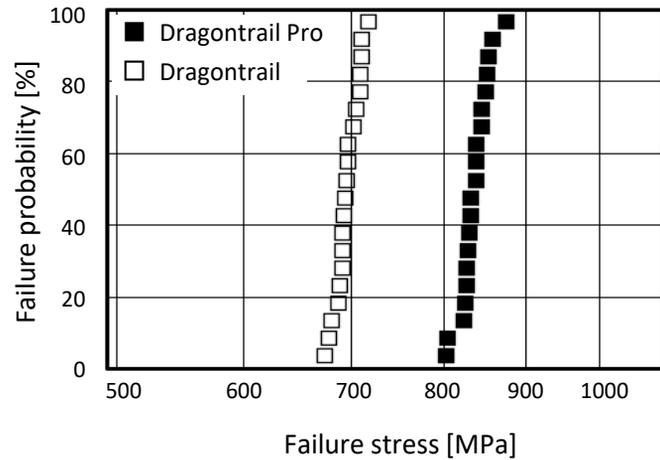
Application	typical CS value	typical DOL value
Coverglass	1000 MPa	40 μm

*The above values represent the data obtained after chemical strengthening using our recipe at the glass processor.

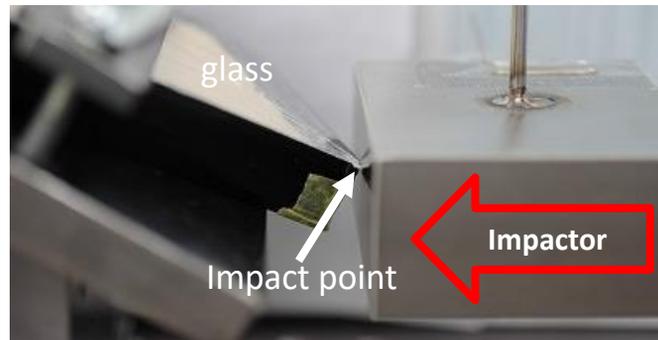
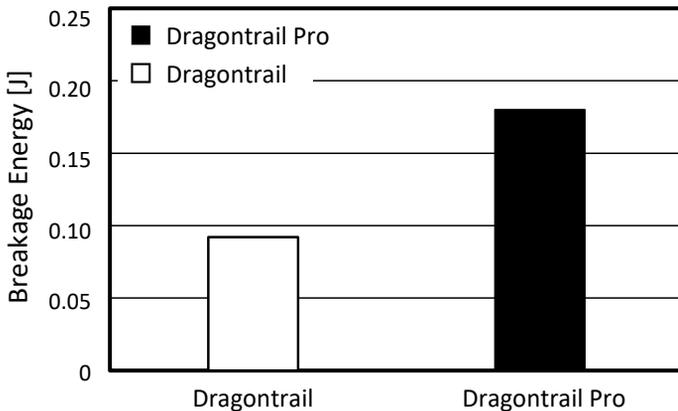
Transmittance



Four point bending strength



Edge Impact strength: Results and AGC Proprietary test method



*This test measured the breaking strength by applying impact energy directly to the edge of the glass.

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