



EVASHINE-H Technical Specification

PROPERTY	STANDARD	NOTE	UNIT	VALUE
Specific weight		0.4 mm	g/m ²	380
Tensile Strength	ISO 527-3		MPa	>17
Elongation at break	ISO 527-3		%	>380
Young's Modulus (23 C)	ISO 527-3		MPa	5,9
Poisson's Ratio	ISO 527-3			0,47
Hardness Shore A				80
Refractive index	EN 410			1,491
Glass Transition Temperature	ISO 6721-11		C°	-28
Melting temperature			C°	72-78
Volume Resistivity			Ohm.cm	>1.0 x 10 ¹⁵
Thermal Conductivity			Kcal/mh.C°	0,25
Thermal Expansion			C-1	3x10 ⁻³
Water absorption	ASTMD570		%	<0.1
Gel rate: 135 C, 60 min.		crosslinking	%	92
UV resistance	EN 12543-4			Good (Pass)

Technical Specification of Glass with EVASHINE-H*

Ligth transmittance	EN 410	glass 44,2	%	87,6
Haze		glass 44,2	%	0,15
UV transmittance	EN 410	glass 44,2	%	0,05
Peel-off test (adhesion to glass)	EN 14449	180° , 100 mm/min.	N/cm	32
High temperature test	EN 12543-4	100 C°, 16 hours		Good (Pass)
High humidity test	EN 12543-4	100 % RH, 55 °C, 14 days		Good (Pass)
Ball Drop Test	EN 12600, EN 12543-2		Class	2(B)2

* All tests are executed on laminated glass 44.2 (SSG PlaniClear 3.9 mm)