

Technical Datasheet

Items/ Unit / Test Method		Achilles Vinistar Scratch Resistant	
Thickness		0.30mm	0.50mm
Width		135cm	135cm
Length		10m	10m
Material		PVC - PU	PVC - PU
Hardness		3S/ 45 PHR	3S/ 45 PHR
Weldable		No	No
Weight ±		375g/m2	625g/m2
100% Modulus [Mpa] JIS K-6732	M.D.	14.8	13
	T.D.	11.5	13
Tensile strength [Mpa] K-6732	M.D.	15.2	14.0
	T.D.	11.7	14.0
Tear Strength [N/mm] K-6732	M.D.	52	52
	T.D.	48	53
Elongation [%] JIS K-6732	M.D.	128.3	157
	T.D.	163.8	165
Cold Crack test [°C] K-6772	M.D.	-10	-10
	T.D.	-20	-20
Shrinkage [%] (50°C x 10min)	M.D.	-2,42	-2,8
	T.D.	0,33	-0,1
UV Ray Transmission [%]		11.0	5.8
Light Transmission [%] JIS K-7361		91.5	90
Weather Resistance	800 hours	No major physical property change	

M.D = MACHINE DIRECTION

T.D = TRANSVERSE DIRECTION

JIS = JAPANESE INDUSTRIAL STANDARD

Information stated on this Data Sheet is for reference purposes and is to the best of our knowledge, true and reliable. Results cannot be guaranteed.

Product features
<ul style="list-style-type: none"> * Made in Japan * Reach compliant * Proven field performance * Scratch resistant * Double sided protection * High quality PU coating * UV stabilised - Little discolouration * Easy to clean * High Clarity - Transparency * 2%-3% shrinkage * Blocks 90% of UV Solar Raditation * Resistant against e.g. kerosene, diesel and alcohol * Excellent weatherability (High & Low temperatures)
<p>* Due to the protective coating, Achilles Vinistar Scratch Resistant transparent window film is not suitable for high-frequency welding.</p>