

## Indura GTfilm®

### Technical Data Sheet

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PHYSICAL PROPERTIES		
Property	Test Method	Result
Weight <sup>1</sup>		8.5 oz/yd <sup>2</sup> ± 10% (290 g/m <sup>2</sup> ± 10%)
Thickness <sup>2</sup>		0.010" (0.25mm)
UV Stability	ASTM G53 (QUV 340A, 200 hours)	Δ E < 1
Abrasion Resistance	ASTM D4060 (CS-10, 500g, 500 cycles)	< 15 mg
Chemical Resistance	Schneller Stain Test	No Visible Change
Graffiti Cleanability	NF F 31-112	G1
MECHANICAL PROPERTIES		
Property	Test Method	Result
Dimensional Stability Machine Transverse	ASTM D1204 (200°F / 92°C)	< 2.0% < 1.5%
Tensile Machine Transverse	ASTM D882	35 lbs/in (158 N/mm) 34 lbs/in (153 N/mm)
% Elongation (RT) Machine Transverse	ASTM D882	11.1% 9.3%
% Elongation (110°C) Machine Transverse	ASTM D882	184% 150%
Tear Machine Transverse	ASTM D4704	0.4 lbs/in (1.73 N/mm) 0.25 lbs/in (1.10 N/mm)

<sup>1</sup> Weight of material without adhesive

<sup>2</sup> Thickness is affected by texture

HAGT adds 2.4 oz/yd<sup>2</sup> (80 g/m<sup>2</sup>)

PSGT adds 3.0 oz/yd<sup>2</sup> (100 g/m<sup>2</sup>)

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NORTH AMERICAN FLAMMABILITY PROPERTIES				
Property	Test Method	Requirement	Results	
			HAGT	PSGT
Flammability	ASTM E162	< 35	1	1
Smoke Generation	ASTM E662	< 100	1	2
90 Seconds		< 200	10	7
4 Minutes				
Toxicity (Flaming mode)	SMP 800-C			
CO		Max 3500	185	428
CO <sub>2</sub>		Max 90000	10950	9650
NO <sub>2</sub>		Max 100	1	1
SO <sub>2</sub>		Max 100	< 1	< 1
HCl		Max 500	< 1	4
HF		Max 100	3	7
HB <sub>r</sub>		Max 100	1	1
HCN		Max 100	< 1	< 1
Toxicity (Non-Flaming mode)	SMP 800-C			
CO		Max 3500	< 1	< 1
CO <sub>2</sub>		Max 90000	< 50	< 50
NO <sub>2</sub>		Max 100	1	1
SO <sub>2</sub>		Max 100	< 1	< 1
HCl		Max 500	6	35
HF		Max 100	6	4
HB <sub>r</sub>		Max 100	2	1
HCN		Max 100	< 1	< 1

Except as indicated, tests were conducted on material bonded to aluminum. All tests were conducted by independent certified laboratories. No warranty is expressed or implied regarding the accuracy of the data. It is the sole responsibility of the purchaser of Schneller products to determine the suitability of these products for the use intended by purchaser.

Schneller Heat Activated Adhesive (HAGT)

Schneller Pressure Sensitive Adhesive (PSGT)

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EUROPEAN FLAMMABILITY PROPERTIES				
<b>France / Spain: NF F 16-101</b>				
Property	Test Method	Requirement	Result	
			HAGT	PSGT
Flammability	NF P 92-501	M1	M1	M1
Smoke / Toxicity	NF F 16-101 NF X 10-702 NF X 70-100	F1 – F4	F1 on aluminum F4 unsupported	F1 on aluminum F4 unsupported
<b>Germany: DIN 5510-2</b>				
Property	Test Method	Requirement	Result	
			HAGT	PSGT
Combustibility	DIN 54837	S3	S4	S4
Smoke Formation	DIN 54837	SR2	SR2	SR2
Dripping Behavior	DIN 54837	ST2	ST2	ST2
<b>United Kingdom: BS 6853</b>				
Property	Test Method	Requirement	Result	
			HAGT	PSGT
Flammability	BS476 Pt 6 & 7	Class 1, over ground Peak Heat Release Total Heat Evolved	18.5 kW/m <sup>2</sup> 1.0 MJ/m <sup>2</sup> Category II	13.1 kW/m <sup>2</sup> 1.21 MJ/m <sup>2</sup> Category II
Smoke	BS6853 Annex D	A <sub>0</sub> (ON) 9.4 A <sub>0</sub> (OFF) 14.0	6.32 6.47 Category II	3.64 3.97 Category Ib
Toxicity	BS6853 Annex B	R < 3.6	0.47 Category Ia	0.76 Category Ia
Compliance with GM/RT2120 and BS6853:1999		Overall Rating:	Category II OVER GROUND	Category II OVER GROUND

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