

## Gutmann ExTraClear PVB (0.38mm) Technical Data

Characteristics	Standard	Test results	Test method
Colour	Primitive colour is clear, colourless or slightly yellow	ExTra Clear	Visual Inspection
Appearance	Smooth, consistent surface, (no bubbles, number of defects $\leq 2$ , breakage $\leq 2$ ) /50m	Pass	Visual Inspection
Length	Minimum of the length indicated	Pass	On-line control
Width	Minimum of the width indicated	$\pm (0 - 20)$ mm	On-line control
Thickness Deviation	$\pm 0.02$ mm	0.38- 0.40 mm	Micrometre
Haze	Clear $< 0.5$ %	0.21%	ASTM D1003
Light Transmittance	Clear $\geq 88.0$	90.5	ASTM D1003
Roughness	RZ 15 - 45	18.3	Stylus
Moisture Content	0.3 - 0.45 %	0.38%	ASTM D6869
Yellow Index	Yellow Index $\leq 4$	0.89	ASTM E 313
Shrinkage	$\leq 2\%$	1%	At 65°C / 15'
Tensile Strength	$\geq 22$ Mpa	24.2	ASTM D412
Pummel	$\geq 8$	9	ASTM C1908-21
Strain	$\geq 200\%$	267.58%	ASTM D624
<b>Test Results</b>			
		<b>Pass</b>	

\* It should be noted that all tests are performed in accordance with ASTM standards. \*