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Results

Product : POLYCARBONATE SHEET
Brand : MARKLON POLYGLASS
Model : MK55 Clear NU (5 mm)
Description : POLYCARBONATE SOLID SHEET

NO.	TEST	RESULT	TEST METHOD
6	Light Transmission**	83.0 %	ASTM D1003 Using colour spectrophotometer Test parameters: <ul style="list-style-type: none"> • Illuminant: D65 • Observer: 10° Test date: 13 May 2024
7	Heat Deflection Temperature		ASTM D648
7.1	0.45 MPa	(139.1 ± 1.1*) °C	Test parameters: <ul style="list-style-type: none"> • Span length: 100 mm • Orientation: Edgewise • Deflection: 0.25 mm • Heating rate: 120°C/hour Test date: 11 May 2024
7.2	1.80 MPa	(132.6 ± 1.0*) °C	
8	Linear Burning Rate**	Horizontal Burning (HB)***	ASTM D635 Test parameters: <ul style="list-style-type: none"> • Flame height: 20 mm • Flame time: 30 seconds • No. of specimens tested: 10 pieces Test date: 13 May 2024

Notes:

- *Denotes measurement uncertainty
- The reported uncertainty is calculated using a coverage factor k=2, which gives a level of confidence of approximately 95%
- **Not SAMM Accredited
- ***The flame front did not reach the 25 mm reference mark

