



San Miguel Yamamura Woven Products Sdn. Bhd.

[Formerly known as San Miguel Woven Products Sdn. Bhd.]
A Subsidiary of San Miguel Yamamura Packaging International Ltd.

PRODUCT SPECIFICATIONS SHEET

Customer	:	GENERAL
Product Code	:	P 301
Product Description	:	4 LAYERS LAMINATE MADE UP OF SINGLE SIDED REFLECTIVE ALUMINIUM FOIL BONDED TO PAPER BY SPECIAL MATERIAL AND FURTHER REINFORCED WITH FIBERGLASS SCRIM TO FORM A FIRE RETARDANT STRUCTURE
Product Structure	:	AI / FIBERGLASS SCRIM + TIE LAYER / PAPER

	CHARACTERISTIC	TEST METHOD	UNIT (SI)	SPECIFICATION
Alum Foil Spec.	Emissivity	ASTM C 1371	Index	≤ 0.05 (97 \pm 2%)

Fiberglass Scrim Spec.	Construction	Supplier COA	Yarns/cm	0.8 x 0.8
	Warp	Supplier COA	dtex	340
	Weft	Supplier COA	dtex	340

Paper Spec.	Grammage	Supplier COA	g/m ²	80 \pm 5
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Laminated Roll Specifications	Width	In-house	mm	Nominal \pm 5
	Length	In-house	m	Nominal (<50) \pm 2.0% Nominal (\geq 50) \pm 1.0%
	Grammage	ISO 536	g/m ²	127 \pm 10
	Thickness	In-house	μ	155 \pm 25
	Tensile Strength MD CD	ASTM D 828	N/25mm	\geq 110 \geq 90
	Elongation MD CD	ASTM D 828	%	\geq 1.0 \geq 2.0
	Tear Resistance MD CD	ISO 1974	N	\geq 1.5 \geq 2.0

Fire Test	Fire Propagation of Material • Sub-index, i_1 • Overall Performance Index	BS 476 ; Part 6	Index	Pass (< 6) Pass (< 12)
	Surface Flame Spread Test	BS 476 ; Part 7	Class	Class 1
	Classification of Fire Hazard			Class 0