



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 Type	: HIGH REFLECTIVE BREATHABLE MEMBRANE – PRIMERA 117 US
Product Design	: LOW E MPET / PE TIE LAYER / 30 GSM PET NON WOVEN / BREATHABLE COATING / 30 GSM PET NON WOVEN

	CHARACTERISTIC	TEST METHOD	UNIT (SI)	SPECIFICATION
Laminated Roll Specifications	Grammage	ISO 536	g/m ²	117 ± 10
	Thickness	In-house	μ	235 ± 50
	Emissivity	ASTM C 1371	Index	≤ 0.1
	Tensile Strength MD CD	ISO 9073-3	N/50mm	≥ 230 ≥ 140
	Elongation MD CD	ISO 9073-3	%	≥ 16 ≥ 13
	Trapezoid Tear Resistance MD CD	ISO 9073-4	N	≥ 18 ≥ 25
	Resistance to Tearing (Nail Shank) MD CD	BS EN 12310-1	N	≥ 33 ≥ 35
	Water Vapor Transmission Rate (32°C, RH 50%)	ASTM E96	g/m ² / day	≥ 450
			US Perm	≥ 38
	Air Permeability	ASTM E2178	cfm/ft ² @ 75 Pa	≤ 0.004
Surface Burning Characteristic	ASTM E84	Class	Class A	