coveme
THE VALUE OF INNOVATION

Kemafoil® HHNW W

HYDROPHILIC FILMS

White polyester film, two sides coated with a hydrophilic treatment that prevents the fluids from wobbing. Kemafoil® HHNW W has been specifically designed for the manufacturing of diagnostics strips. The purpose of the hydrophilic coating is to improve the wicking of biological fluids through the strip, to the analytical reagents or enzymatic pastes, applied onto the strip.

PROPERTIES	U.M.	TEST METHOD	VALUE 50 µ	VALUE 75 µ	VALUE 100 µ	VALUE 125 µ	VALUE 175 µ	VALUE 190 µ	VALUE 250 µ
THICKNESS	micron	internal	50 +/- 5%	75 +/- 5%	100 +/- 5%	125 +/- 5%	175 +/- 5%	190 +/- 5%	250 +/- 5%
UNIT WEIGHT	gr/sqm	internal	70	105	140	175	245	266	350
TENSILE STRENGTH (MD)	MPa	ASTM D 882	122	122	122	122	122	122	122
TENSILE STRENGTH (TD)	MPa	ASTM D 882	152	152	152	152	152	152	152
ELONGATION AT BREAK (MD)	%	ASTM D 882	> 50	> 50	> 50	> 50	> 50	> 50	> 50
ELONGATION AT BREAK (TD)	%	ASTM D 882	> 50	> 50	> 50	> 50	> 50	> 50	> 50
HEAT SHRINKAGE (MD) (150°C FOR 30 MIN)	%	ASTM D 1204	0,3	0,3	0,2	0,2	0,2	0,2	0,2
HEAT SHRINKAGE (TD) (150°C FOR 30 MIN)	%	ASTM D 1204	0,2	0,2	0,2	0,2	0,2	0,2	0,2
TOTAL LIGHT TRANSMISSION (TLT)	%	ASTM D 1003	19	14	8	7	4	4	2
SPREADING DROP TEST (*)	points	internal	>= 46 typical 50*	>= 46 typical 50*	>= 46 typical 50*	>= 46 typical 50*	>= 46 typical 50*	>= 46 typical 50*	>= 46 typical 50*

* that corresponds to a typical contact angle of 10/15 ° measured with Fibro Pocket PGX Goniometer

Shelf Life - 1 year from production date

Coveme spa is UNI EN ISO 9001-2008 and ISO 14001 certified

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