

HIGH BARRIER PERFORMANCE BOTH SIDE TREATED HEAT SEALABLE METALLIZED FILM (B-TVb-M)

APPLICATION: HIGH BARRIER PERFORMANCE SANDWICH LAYER APPLICATIONS

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE
			18
<b>OPTICAL</b>			
OPTICAL DENSITY** (TOLERANCE : +/- 5%)	(Min.)	Gretag	-
<b>GENERAL</b>			
THICKNESS		Internal	Micron
			(Gauge)
FILM DENSITY		D-1505	gm/cc
GRAMMAGE		Internal	gm/m <sup>2</sup>
YIELD		Internal	m <sup>2</sup> /kg
TREATMENT LEVEL**	(Min.)	D-2578	dyne/cm
<b>MECHANICAL</b>			
TENSILE STRENGTH AT BREAK (Min.)	MD*	D-882	Kg/cm <sup>2</sup>
	TD*		1250
	MD*		2550
	TD*		17800
ELONGATION AT BREAK (Min.)	MD	D-882	(Psi)
	TD		26200
	MD		%
	TD		160
MODULUS OF ELASTICITY (Min.)	MD	D-882	18000
	TD		Kg/cm <sup>2</sup>
	MD		32000
	TD		(KPsi)
<b>THERMAL</b>			
LINEAR SHRINKAGE (Max.) (AT 120°C/5 Minute)	MD	D-1204	%
	TD		4.0
HEAT SEAL INITIATION TEMPERATURE		Internal	°C
HEAT SEAL STRENGTH (Min.)	(Min.)	Internal	gm/25mm
<b>BARRIER PROPERTIES</b>			
W.V.T.R.(38°C & 90%RH)		F-1249	gm/m <sup>2</sup> /day
			(gm/100in <sup>2</sup> /day)
O.T.R. (23°C & 0%RH)		D-3985	40
			(cc/100in <sup>2</sup> /day)

Ref no QAD UFL S/07 - MB5/1

\*MD = MACHINE DIRECTION \*TD = TRANSVERSE DIRECTION

\*\*Treatment value of BOPP films tend to decay over a period of time during transportation & storage conditions. Therefore it is recommended that the customer should check the treatment levels prior to processing and if a reduction is observed then online corona treatment, high adhesive GSM & a suitable primer may be applied.

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