UNITIKA

TECHNICAL DATA SHEET

No.N-1008E

Biaxially Oriented Polyamide Film with Adhesive Property

General Property of "EMBLEM® ONMB-25"

Effective Date: February 20, 2018

PROPERTIES		TEST METHOD	UNITS	ONMB
Thickness		Dial Gauge	μm	25
Tensile Strength	MD	ISO 527-3	MPa	240
	TD			270
Elongation	MD	ISO 527-3	%	100
	TD			100
Tensile Modulus	MD	ISO 527-3	GPa	2.5
	TD			2.3
Tear Propagation Resistance	MD	ISO 6383-1	mN	65
	TD			65
Pinhole Resistance (Piercing)		Radius 0.5mm	N	16
Heat Shrinkage	MD	Dry Air 160°C-5min.	%	1.9
	TD			0.5
	MD	Hot Water 100°C-5min.	%	3.2
	TD			1.7
Oxygen Transmission Rate (O_2TR)		ISO 15105-2 20°C-65%RH	$ml/m^2 \cdot d \cdot MPa$	150
Water Vapor Transmission Rate (WVTR)		ISO 15106-2 40°C-90%RH	$g/m^2 \cdot d$	155
Haze		ISO 14782	%	4.0
Gloss		-	%	155
Coefficient of Friction, Kinetic	Corona Side / Corona Side	ISO 8295	-	0.65
Surface Tension	Chemical treated side	ISO 8296	mN/m	44
	Corona Side			48

Test condition is 23°C-50%RH unless described in Test Method.

Described data is for information only and no guarantee of all products property.