

## Biaxially Oriented Polyamide Film with Adhesive Property

## General Property of “ EMBLEM™ ONM-15 ”

Effective Date : 30th November 2022

Properties		Test Method	Units	Measurement Value
Thickness		ISO 4593	μm	15
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	30
	TD			30
Pinhole Resistance (Piercing)		UNITIKA Method Radius 0.5mm	N	10
Heat Shrinkage	MD	UNITIKA Method Dry Air 160°C-5min.	%	1.8
	TD			0.6
	MD	UNITIKA Method Hot Water 100°C-5min.	%	3.2
	TD			1.9
Oxygen Transmission Rate (O <sub>2</sub> TR)		ISO 15105-2 20°C-65%RH	ml/(m <sup>2</sup> ·d·MPa)	250
Water Vapor Transmission Rate (WVTR)		ISO 15106-2 40°C-90%RH	g/(m <sup>2</sup> ·d)	260
Haze		ISO 14782	%	4.0
Gloss		ISO 2813	%	150
Coefficient of Friction, Kinetic	Non-treated Side / Non-treated Side	ISO 8295	—	0.35
Surface Tension	Chemical treated side	ISO 8296	mN/m	44
	Non-treated Side			36

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.