

Biaxially Oriented Polyamide Film with Adhesive Property

General Property of “ EMBLEM™ ONM-25 ”

Effective Date : 30th November 2022

Properties		Test Method	Units	Measurement Value	
Thickness		ISO 4593	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)		UNITIKA Method Radius 0.5mm	N	16	
Heat Shrinkage	MD	UNITIKA Method Dry Air 160°C-5min.	%	1.9	
	TD			0.5	
	MD	UNITIKA Method Hot Water 100°C-5min.	%	3.2	
	TD			1.7	
Oxygen Transmission Rate (O ₂ TR)		ISO 15105-2 20°C-65%RH	ml/(m ² ·d·MPa)	150	
Water Vapor Transmission Rate (WVTR)		ISO 15106-2 40°C-90%RH	g/(m ² ·d)	155	
Haze		ISO 14782	%	4.0	
Gloss		ISO 2813	%	155	
Coefficient of Friction, Kinetic	Non-treated Side / Non-treated Side		ISO 8295	—	0.35
	Chemical treated side	Non-treated Side	ISO 8296	mN/m	44
Surface Tension	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.