

## Biaxially Oriented Polyester Film

## General Property of “ EMBLET™ PTME-12 ”

Effective Date : 3rd February 2025

Properties		Test Method	Units	Measurement Value
Thickness		ISO 4593	μm	12
Tensile Strength	MD	ISO 527-3	MPa	245
	TD			220
Elongation	MD	ISO 527-3	%	125
	TD			135
Tensile Modulus	MD	ISO 527-3	GPa	4.2
	TD			4.3
Tear Propagation Resistance	MD	ISO 6383-1	mN	25
	TD			25
Pinhole Resistance (Piercing)		UNITIKA Method Radius 0.5mm	N	6.0
Heat Shrinkage	MD	UNITIKA Method Dry Air 160°C-15min.	%	1.3
	TD			0.5
Haze		ISO 14782	%	3.7
Gloss		ISO 2813	%	180
Coefficient of Friction, Kinetic	Non-treated Side / Non-treated Side	ISO 8295	—	0.15
Surface Tension	Chemical Treated Side	ISO 8296	mN/m	44
	Non-treated Side			42
Surface Electrical Resistivity	Non-Treated Side	UNITIKA Method	Ω/□	$3 \times 10^{11}$
Half Life of Static Voltage	Non-Treated Side	UNITIKA Method	second	20

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.