

Biaxially Oriented Polyester Film

General Property of “ EMBLET™ PET-12 ”

Effective Date : 3rd February 2025

Properties		Test Method	Units	Measurement Value
Thickness		ISO 4593	μm	12
Tensile Strength	MD	ISO 527-3	MPa	240
	TD			240
Elongation	MD	ISO 527-3	%	130
	TD			120
Tensile Modulus	MD	ISO 527-3	GPa	4.3
	TD			4.3
Tear Propagation Resistance	MD	ISO 6383-1	mN	25
	TD			20
Pinhole Resistance (Piercing)		UNITIKA Method Radius 0.5mm	N	6.5
Heat Shrinkage	MD	UNITIKA Method Dry Air 160°C-15min.	%	1.5
	TD			0.8
Oxygen Transmission Rate (O ₂ TR)		ISO 15105-2 20°C-65%RH	ml/(m ² ·d·MPa)	800
Water Vapor Transmission Rate (WVTR)		ISO 15106-2 40°C-90%RH	g/(m ² ·d)	60
Haze		ISO 14782	%	4.5
Gloss		ISO 2813	%	145
Coefficient of Friction, Kinetic	Non-treated Side / Non-treated Side	ISO 8295	—	0.40
Surface Tension	Corona Side	ISO 8296	mN/m	54
	Non-treated Side			40

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.