

Biaxially Oriented High Gas Barrier Polyamide Film

General Property of “ EMBLEM™ HG-15 ”

Effective Date : 30th November 2022

Properties		Test Method	Units	Measurement Value
Thickness		ISO 4593	μm	15
Tensile Strength	MD	ISO 527-3	MPa	250
	TD			260
Elongation	MD	ISO 527-3	%	90
	TD			95
Heat Shrinkage	MD	UNITIKA Method Dry Air 160°C-5min.	%	1.8
	TD			0.6
	MD	UNITIKA Method Hot Water 100°C-5min.	%	3.0
	TD			1.6
Oxygen Transmission Rate(O ₂ TR)	After Retorting (120°C-30min.)	ISO 15105-2 20°C-65%RH	ml/(m ² ·d·MPa)	Less than 5
Water Vapor Transmission Rate (WVTR)		ISO 15106-2 40°C-90%RH	g/(m ² ·d)	260
Haze		ISO 14782	%	6.5
Coefficient of Friction, Kinetic	Non-treated Side / Non-treated Side	ISO 8295	—	0.40
Surface Tension	Coated side	ISO 8296	mN/m	More than 54
	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.