



Customer	JOLYBAR FILMTECHNIC CONVERTING
Product	Hyosung Polyester Film
Specification	175 μm × 1,510mm × 2,000m
Roll Number	414863398E102/103
Treatment	Both Acryl

	Property	Spec	Value	Unit	Test Method
General Property					
Thickness		175.0±5.0	175.2	μm	Hyosung Method
Thermal Property					
Heat Shrinkage (dry air)	MD	≤ 1.5	1.6	%	Hyosung Method (150°C × 30 min)
	TD	≤ 0.5	0.4	%	
Mechanical Property					
Tensile Strength	MD	18.0±5.0	21.7	kgf/mm ²	ASTM D882
	TD	22.0±5.0	23.2	kgf/mm ²	
Elongation at Break	MD	180±50	177	%	ASTM D882
	TD	130±50	129	%	
F-5 value	MD	11.0±1.5	10.9	kgf/mm ²	ASTM D882
	TD	10.5±1.5	10.9	kgf/mm ²	
Surface Property					
COF (in to in)	static	0.40±0.1	0.40	-	ASTM D1894
	kinetic	0.30±0.1	0.32	-	
COF (in to out)	static	0.40±0.1	0.36	-	ASTM D1894
	kinetic	0.30±0.1	0.27	-	
Surface Tension	In	37±3	38	dyne/cm	ASTM D2578
	Out	37±3	38	dyne/cm	
Optical Property					
Haze		2.0±0.5	2.0	%	ASTM D1003
Light Transmittance		≥ 89.0	91.1	%	

**Assured by Quality Assurance
Manager of Yongyeon Plant**



RG440/ 175 μm

※ 본 제품은 유해물질관리 기준을 준수하고 있음을 증명합니다.