

Medium Barrier Thermoforming Film THF002

7 Mil - 175 Micron PA / PE Transparent

1)—	PA (Nylon/Polyamide)
2	PE (Polyethylene)

PROPERTIES	TEST METHOD	UNIT		VALUE	NOTE		
PHYSICAL PROPERTIES							
Yield	ASTM D 4321	in²/lb		4099.53	+/- 5%		
Elongation	ASTM D 882	%	MD	> 330			
			TD	> 350			
Tensile Strength	ASTM D 882	N/mm²	MD	> 24.52			
		IN/mm*	MD	> 22.56			
COF	ASTM D 1894	Kinetic (Inner/Metal)		0.10 - 0.30			
Surface Tension	ASTM D 2578	dynes/cm		≥ 42			
Dart Impact Srength	ASTM D 1709	gf		≥ 280	@ 1.52 Meter Height		
Film Width	ASTM D 5947	inch		As per PO	+0.1, -0		
THERMAL PROPERTIES							
Seal Strength	ASTM F 88	N/inch		≥ 58.84	(125°C, 1.8 second dwell time)		
BARRIER PROPERTIES							
OTR	ASTM D 3985	cc/100in²/24hrs		< 2.1	(23°C, 0% RH)		
WVTR	ASTM F 1249	gm/100in²/24hrs		< 0.30	(38°C 90% RH)		

^{*} MD = Machine Direction, * TD = Transverse Direction

Storage & Handling: Needs to be stocked in a closed warehouse & should not be exposed to direct sun light or light sources. Avoid extreme of humidity and heat. It is recommended to store below 40°C in dry places in original packing.

Food Contact: Complies with EC (EU 202/2014 & EU 10/2011) and FDA (21 CFR § 175.105 & 21 CFR § 175.300) regulations on packaging for direct contact with foodstuffs. Specific document and MSDS are available on request.

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