



Jl. Jababeka IV SFB Blok T-1A
Cikarang Industrial Estate
Bekasi, Indonesia

PROPERTY OF PRODUCT (STRETCH FILM FOR PACKAGING)

Product Type : Polyethylene film for packaging (Stretch Film)
Grade : Hand Roll 450mm x 300m x 20um

1. Appearance

No	Item	Standard	Method
1	Homogeneity	Conformed	Based on TEKPAK Method
2	Bubbles		
3	Clarity		
4	Wrinkles		
5	Fish eyes		
6	Lumps		
7	Pin holes		

2. Dimension, Physical Properties & others

No	Item	Standard	Method	
1	Thickness (um)	20	Dial gauge	
2	Width (mm)	450	Steel measure	
3	Length (m)	300	Counter of Rewinding	
4	Tensile strength (MPa)	MD 32 TD 16	ASTM D 882	
5	Elongation at break (%)	MD 460 TD 640		
6	Dart Impact (gram)	55	ASTM D 1709	
7	Tear Resistance (mN)	MD 400 TD 1700	ASTM D 1922	
8	Peel cling (mN)	9,6	ASTM D 5458	
9	Quality Test at 245 %	No Break, No Hole	HSTM	
10	Force at Quality Test (Kg)	21		
11	Puncture Test at 150 % Tip: 2	OK, No Hole		
12	Guarantee stretch %	200		
13	Core (mm)	±0.5mm	Vernie Caliper	
	1) Inner diameter ; 50 mm			50,2
	2) Thickness ; 4,5 mm	±1.0mm	4,6	
	3) Length ; 465 mm	±1.0mm	466	Steel measure

Date: March 1, 2016

PT TEKPAK Indonesia