

HARDEN Film MX is the barrier nylon film which has superior practical features by solving the problems of the conventional product N3190.

FUTURE

- (1) We improved the pinhole resistance under strict conditions such as low temperature much more.
- (2) The appearance after boiling is stable.

USE

Soup bag, Boil packaging, Deoxidizer enclosure packaging etc.

General physical property of HARDEN Film MX110 type

Item	Unit	MX 1 1 0	N 3 1 9 0	Measurement condition	
Thickness	μm	15	15		
Haze	%	3.5	5.0		
Tensile breaking strength	Length	200	210	23°C,65%RH	
	Width	240	205		
Tensile breaking elongation	Length	115	80	23°C,65%RH	
	Width	80	65		
Tensile elasticity	Length	2500	3000	23°C,65%RH	
	Width	2000	2800		
Impact strength	J	0.9	0.9	23°C,65%RH	
Static friction coefficient	-	0.5	0.4	23°C,50%RH	
Dynamic friction coefficient	-	0.4	0.4	23°C,50%RH	
Heat shrinkage rate	Length	1	2.5	160°C,10分	
	Width	1.3	2.5		
Bending pinhole properties	3000 times	number	0	2	23°C,65%RH

Oxygen transmissivity	ml/m ² dMPa	85	85	23°C,65%RH	
Moisture vapor permeability	g/m ² d	15	15	40°C,90%RH	
Gelbo pinhole	1000 times	number	0	1	23°C,65%RH
	500 times		5	10~15	5°C,65%RH
Lamination strength (LIX2 40μm laminated product)	N/15mm	8	6.8		
Appearance change after boiling		No whitening	Partly whitening		

On these data, the representative values were measured under the specialized condition at our company's film feature evaluation agency.
Involute surface: corona processed surface .

<N8102001>

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