

Technical Data Sheet



PVC SHRINK FILM (ECOWISE L300)

Description: PVC shrink film for shrink sleeve and label used for hot air and steam tunnel
 Color: Transparent
 Surface: Glossy

Properties	Unit	Data	Test Method	
Thickness (Tolerance : $\pm 3\mu\text{m}$)	μm	35~60	ASTM D 374	
Density	g/cm^3	1.34	ASTM D 1505	
Haze	%	1.0	ASTM D 1003	
Gloss	%	156	ISO 2813	
Yield	m^2/kg	35 μm	21.32	ASTM D 1505
		40 μm	18.66	
		50 μm	14.93	
		60 μm	12.44	
Surface Resistance	Ω	10^{13}	JIS 61340	
Coefficient of Friction	In-side	-	0.35	ASTM D 1894
	Out-side	-	0.35	

Regulations: Hanwha PVC shrink films meets below regulations

- US FDA 21 CFR 175.300, 177.1975
- EU regulation 1907/2006EC
- Hanwha shrink films do not contain DEHP(diethylhexyl phthalate) or DBP(diputyl phthalate) or other additives phthalate with reference to EPA 8061A, GC/MS.

Storage:

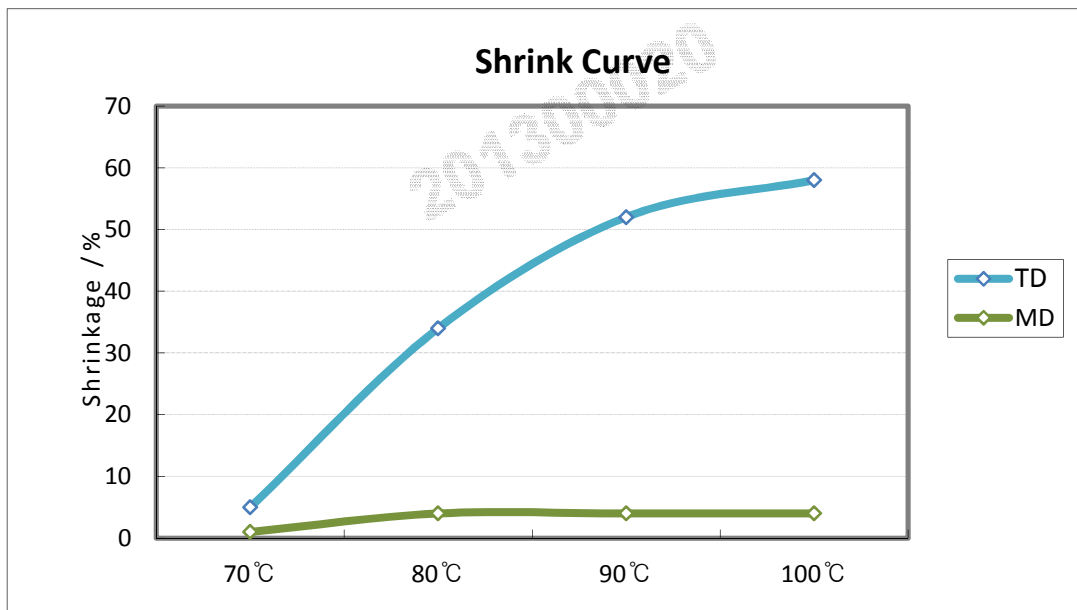
- Keep the film below 29°C (85°F) and relative humidity 55-70%
- Avoid direct sunlight
- Store on the flat floor
- Do not erect films
- Do not separate a disk before using film
- Use of the material is recommended within 6 months after on board date

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Properties	Unit	Data		Test Method	
		TD	MD		
Tensile Strength	kgf/cm ²	1230.4	482.1	ASTM D 882	
Elongation	%	26.5	234.2		
Tear Resistance	kgf/cm	2146.2	682.4	ASTM D 1938	
Heat Shrinkage (Tolerance : ±3%)	70 °C	%	5	1	Soaking into hot water for 10sec
	80 °C		34	4	
	90 °C		52	4	
	100 °C		58	4	



* This information is based on currently available technical materials.

* The data is subject to change due to new experience and knowledge.

* The information contained herein is for informational purposes only and is not promised or guaranteed anything.

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