

Expansion tape		
Introduction	Expansion tape is composed of OPS substrate or modified TPU substrate, coated with anti electrolyte pressure-sensitive adhesive. Developed and manufactured swelling/expansion tape for lithium battery drum testing. Used for fixing the end of high magnification batteries, replacing traditional termination tape. The principle is to generate volume expansion under the action of electrolyte, fill the gap between the battery cell and the shell, reduce the shaking of the battery in vibration environment, and prevent short circuits.	
Application	1.Diaphragm termination wrapping for various types of lithium batteries Fixed diaphragm winding for cylindrical lithium batteries 2.Lithium battery drum testing and development.Lithium ion battery usage 3.Use of electronic components.Termination of various types of batteries 4.Lithium battery wrapping.High magnification battery tail fixation, replacing traditional termination tape	
Property		
Product Code	P7645	P7645T
Technical Parameters		
Color	Milk white	Milk white
Total Thickness[mm]	0.045±0.005	0.045±0.005
Backing	OPS	Modified TPU
Adhesive	Anti electrolyte pressure-sensitive adhesive	
180° Hot pressing on adhesive peel strength[N/25mm]	0.3-1.5	0.3-1.5
Tensile Strength[Mpa]	70±10	70±10
Elongation at break [%]	70-90	70-90
Environment protection	PASS	PASS
Volume expansion rate [%]	250	250
Storage and shelf life	It is recommended to store in a clean and dry place, away from direct sunlight, to prevent damage to the packaging, and to avoid keeping it with volatile solvents. The storage temperature is 10-40° C and the humidity is 40-60%. To maintain optimal performance, this product should be used within 12 months from the date of manufacture.	