

Specification Sheet

Rev No 1

ITEM : EXPET-H/G 0.25mm

Date : 2017.01

Item	Unit	Spec	Data	Test Method
Thickness		mm	Center (tolerance ±5%)	0.260
Tensile Strength	(MD)	Kgf/mm ²	3.0 ↑	6.15
	(CD)		3.0 ↑	6.06
Tear Strength	(MD)	Kgf/mm	5.0 ↑	5.88
	(CD)		5.0 ↑	6.69
Elongation	(MD)	%	1.0 ↑	5.88
	(CD)		1.0 ↑	6.69
Gloss		60°	85 ↑	90
Abrasion resistance		mg	10 ↓	OK
Heat & Cold repetition test		-	Not Greatly Changed	OK
Chemical resistance	1%NaCO ₃	-	Not Greatly Changed	OK
	5%CH ₃ COOH	-	Not Greatly Changed	OK
	1%HCl	-	Not Greatly Changed	OK
	Petroleum Benzene	-	Not Greatly Changed	OK
Stain resistance (1)	Coffee	-	Not Greatly Changed	OK
	Soy Sauce	-	Not Greatly Changed	OK
	Worcestershire Sauce	-	Not Greatly Changed	OK
Stain resistance (2)	Black Marker	-	Not Greatly Changed	OK
	Red Crayon	-	Not Greatly Changed	OK
Solvent resistance	Petroleum Benzene	-	Not Greatly Changed	OK
	Laquer	-	Not Greatly Changed	OK
	95% Ethanol	-	Not Greatly Changed	OK
Heat resistance		-	Not Greatly Changed	OK
Whitening by folding		-	Not Greatly Changed	OK
Water resistance		-	Not Greatly Changed	OK
Heat & Humidity resistance		-	Not Greatly Changed	OK
Layer Adhesive property		-	Not Delaminated	OK
Surface hardeness(pencil)		-	B ↑	HB
Remark	<p>cf1. Abrasion resistance : The sample is observed after 100 cycling with the load of 1000g.</p> <p>cf2. Heat & Cold repetition test : The sample of 150mm X150mm is placed in an oven at 60 °C for 2hrs, and then put into the cold bath of -20 °C. After 2 cycling, observe the defects of sample.</p> <p>cf3. Chemical resistance : Each solvent of 1% NaCO₃, 5% CH₃OOH, 1% HCl, petroleum benzene is dropped on the sample, After 6 hrs, the sample is washed with water and dried.</p> <p>cf4. Stain resistance (1) : Each solvent of coffee and soy sauce is dropped on the sample. After 6 hrs, the sample is washed with water and dried.</p> <p>cf5. Stain resistance (2) : Based on JAS B for the contamination. Draw a line of 10mm wide on the sample. After 4 hrs, wiped it with a solvent or detergent.</p> <p>cf6. Solvent resistance : The sample is rubbed 10times with cotton wool soaked in petroleum benzene, lacquer, 95% ethanol each. Not Greatly Changed.</p> <p>cf7. Heat resistance : The sample is placed in an oven 60 °C for 24hrs. After cooling to normal temperature, observe the surface of sample. Not Greatly Changed.</p> <p>cf8. Whitening by folding : The sample is placed in a thermostat at 25 °C for 30mins, and then fold at an angle of 180 degrees and observe the whitening.</p> <p>cf9. Water resistance : The sample is dipped in water at normal temperature for 48hrs and dried.</p> <p>cf10. Heat & Humidity resistance : The sample is thermo hygostat keeping 40 °C & 35% RH for 48hrs.</p> <p>cf11. Layer Adhesive property : After adhering 24mm-width Nichibang tape on surface, peel it off strongly from the surface.</p> <p>※ This test data can be different by its product specification type.</p>			