



### ASTM TEST RESULTS

Table 1 Test Results based on ASTM F1700-13a Standard Specification for Solid Vinyl Floor

TEST ITEM	TEST METHOD	REQUIREMENT	TEST RESULTS	VERDICT
SIZE	ASTM F2055-10	1522mm±2.0mm	Average : 1522mm Deviation from work size: 0.0mm	PASS
		225mm±0.20mm 238mm+0.20mm	Average: 225.02mm & 238.02mm Deviation from work size: +0.03mm~+0.06mm Average : 8.00mm	PASS
THICKNESS	ASTM F386-11	8.0mm±0.15mm	Deviation from work size: - 0.02mm~+0.15mm	PASS
SQUARENESS	ASTM F2055-10	≤ 0.25mm	Deviation range: 0.00mm~+0.15mm	PASS
RESIDUAL INDENTATION	ASTM F1914-07(2011)	Average Value: ≤ 8% Maximum Value: ≤ 10%	Average: 6.5% Maximum: 8.2% Minimum: 5.5%	PASS
DIMENSION STABILITY	ASTM F2199-09(2014)	≤0.51mm/305mm (≤ 0.17%)	Length Direction: -0.15% Width Direction: -0.07%	PASS
RESISTANCE TO CHEMICALS	ASTM F925-13	No more than a slight change in surface dulling, surface attack or staining	Rating 0: No change	PASS
RESISTANCE TO HEAT	ASTM F1514-03(R0213)	ΔE*Shall not greater than 8.0 after 7 days exposure to 70 °C	ΔE*=0.93	PASS
RESISTANCE TO LIGHT	ASTM F1515-03(R2008)	ΔE*Shall not be greater than 8.0 after 300h exposure	ΔE*=3.90	PASS

Note: Resistance to light was conducted at the external approved/qualified facility, located in [Jiangsu].

Table 2 Test results based on other standards

TEST ITEM	TEST METHOD	TEST RESULT
THICKNESS OF WEAR LAYER	ASTM F410-08(R2013)	0.52mm
TENSILE STRENGTH	ASTM D638-14	Length Direction: 8.12 MPa Width Direction: 6.30 MPa
ABRASION RESISTANCE	ASTM D4060-14	Weight Loss: 79mg Wear Index: 15.7
PEEL STRENGTH	ASTM D903-98(2010)	0.22 KGF/mm
INDENTATION	ASTM F1914-07(R2011)	1 min: 0.05mm 10min: 0.10mm
DENSITY	ASTM D6111-13A	D <sup>23C</sup> : 2 g/cm <sup>3</sup>
SPECULAR GLOSS	ASTM D623-14	6.8
STATIC COEFFICIENT OF FRICTION	ASTM C1028-07	Dry Condition: 0.81 Wet Condition: 0.80
CASTOR CHAIR RESISTANCE	NALFA LF 01-2011	No Visible Damage
STATIC LOAD	ASTM F970-15	Residual Indentation: 0.22mm
INTERNAL BOND STRENGTH AND THICKNESS SWELL AFTER REPEATED WETTING	ASTM D7519-11	Internal Bond Strength: 2.25 MPa Moisture Content: Before Submersion: 0.01% After Submersion: 0.05% Thickness Swell: 0.50% Water Absorption: 0.04%
RESISTANCE TO IMPACT	ASTM F1265-03a(R2013)	No Crack

Note: Wear Index: 1000 times the loss in weight in milligrams per cycle. Total revolution is 1000.