Test report overview

01 / Safety, hygiene & indentation

Report No.	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
XMIN2109010492CM	Slip, friction, seam, fire & antistatic (CN/EN)	SGS	Slip resistance	DIN 51130:2014-02	6° ≤ X ≤ 10°; R9	Mean critical angle: 8.0°; R9
			Dynamic coefficient of friction	EN 13893:2002		0.35
			Seam strength	EN 684:1995		Mean: 700 N/50 mm Minimum: 630 N/50 mm
			Antistatic behaviour	EN 14041:2018, clause 4.6; EN 1815:2016	Walking voltage: |U| ≤ 2.0 kV	0.1 kV
			Reaction-to-fire classification	EN 13501-1:2018, clause 9; EN ISO 9239-1:2010; EN ISO 11925-2:2020		Mean maximum flame spread: 83 mm; critical radiant flux ≥ 11 kW/m².
XMIN2109010493CM	Antibacterial activity (CN/EN)		Escherichia coli	ISO 22196:2011		Antibacterial rate: 99.5%
			Staphylococcus aureus	ISO 22196:2011		Antibacterial rate: 99.6%
XMIN2109010491CM	Indentation resistance (CN/EN)		Residual indentation	EN 433:1994	≤ 0.1 mm	Mean: 0.06 mm

Test report overview

02 / Physical properties / SGS

Report No.	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
XMIN2109010490CM	Physical properties (CN/EN)	SGS	Overall thickness	ISO 24346:2006 (R2015)		1.93 mm
			Mass per unit area	ISO 23997:2007 (R2018)		2,541 g/m²
			Width	ISO 24341:2006		2,001 mm
			Castor chair test	ISO 4918:2016 + Amd.1:2018	90 kg load; 25,000 cycles	No visible damage
			Dimensional stability after exposure to heat	ISO 23999:2018		X direction: 0.15% Y direction: 0.20%
			Curling after exposure to heat	ISO 23999:2018		-0.5 mm
			Staining and resistance to chemicals	ISO 26987:2018	Acetone; coffee; sodium hydroxide solution (25%); hydrogen peroxide solution (30%); black shoe polish	No effect
			Binder content	ISO 10581:2019, clause 4.1; FTIR, PGC-MS, GC-MS, EDX and TGA	PVC: 57%; diisononyl phthalate (DINP): 23%; calcium carbonate: 17%	80% (meets Type I)
			Colour fastness to artificial light	ISO 105-B02:2014; Method 3		6

Test report overview

03 / Emissions & restricted substances

Report No.	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
WT2020B01A03405	TVOC, 28 days (CN/EN)	National Building Materials Testing Center	TVOC at 28 days	ISO 16000-9:2006 / Cor.1:2007	< 20 μg/m³	Not detected
EQO20030441C	SVHC screening, 205 substances (CN/EN)	EQO Testing and Certification Co., Ltd.	Substances of very high concern (SVHCs), 205 substances	REACH Regulation (EC) No 1907/2006	Each of the 205 SVHCs: < 0.1% (w/w)	Pass
WT2019B01A01355	Volatile matter	National Building Materials Testing Center	Volatile matter	GB 18586-2001	≤ 10 g/m²	Not detected
WT2019B01A01356	Restricted substances		Monomer content	GB 18586-2001	≤ 5 mg/kg	Not detected (< 0.5 mg/kg)
			Soluble heavy metals: lead (Pb)	GB 18586-2001	≤ 20 mg/m²	Not detected (< 0.1 mg/m²)
			Soluble heavy metals: cadmium (Cd)	GB 18586-2001	≤ 20 mg/m²	Not detected (< 0.1 mg/m²)

Test report overview

04 / Physical properties / Chinese methods

Report No.	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
WT2019B03A00438	Physical properties	National Building Materials Testing Center	Thickness	GB/T 11982.2-2015	Nominal value: +0.13 / -0.10	0.07
			Dimensional change after heating: longitudinal	GB/T 11982.2-2015	≤ 0.40	0.06
			Dimensional change after heating: transverse	GB/T 11982.2-2015	≤ 0.40	0.11
			Castor chair test	GB/T 11982.2-2015	No damage	No damage
			Abrasion resistance (volume loss)	GB/T 11982.2-2015	Group T: ≤ 2.0	1.8
			Stain resistance	GB/T 11982.2-2015	Carbon ink	0
			Slip resistance: dry method	GB/T 4100-2006, Annex M; Q/CYCTC 0037-2017 (GB/T 4100-2006, Annex M)	Dry method	0.58
			Slip resistance: wet method	GB/T 4100-2006, Annex M; Q/CYCTC 0037-2017 (GB/T 4100-2006, Annex M)	Wet method	0.53

Test report overview

05 / Fire, slip, asbestos & abrasion

Report No.	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
WT2019B03A00439	Reaction to fire	National Building Materials Testing Center	Reaction to fire	GB 8624-2012		B1 (C-s1,t0)
			Flame tip height within 20 s (Fs)	GB/T 8626-2007	≤ 150	< 150
			Smoke production (s1)	GB/T 11785-2005	≤ 750	308
			Critical radiant flux	GB/T 11785-2005	≥ 4.5	7.4
			Smoke toxicity	GB/T 20285-2006	Class ZA1	Class ZA1 achieved
XMIN2604000905CM01-1	Slip resistance (CN/EN)	SGS	Slip resistance	DIN 51130:2014-02	6° ≤ X ≤ 10°; R9	Mean critical angle: 11.0°; R10
CANIN26022217202	Asbestos (CN/EN)		Asbestos	ISO 22262-1:2012		Negative (not detected)
GZIN2609001924CM01_CN	Abrasion resistance (CN/EN)		Abrasion resistance	EN 660-2:1999; AMD.1-2003	Volume loss: 1.6 mm³/100 revolutions	Group T

Test report overview

06 / Chemical & microbiological resistance

Report No.	Test category	Testing laboratory	Test item	Test standard / method	Scope / requirement	Test result
HQR171023001-01	Alkali resistance	Jiangsu Zhongzheng Testing Co., Ltd.	Alkali resistance		Sodium hydroxide	No obvious corrosion in 75% aqueous solution
			Alkali resistance		Potassium hydroxide	No obvious corrosion in 80% aqueous solution
HQR171023001-05	Acid resistance		Acid resistance		Nitric acid	No obvious corrosion in 20% aqueous solution
			Acid resistance		Hydrochloric acid	No obvious corrosion in 70% aqueous solution
			Acid resistance		Hydrofluoric acid	No obvious corrosion in 25% aqueous solution
HQR171023001-06	Povidone-iodine resistance		Povidone-iodine resistance		Povidone-iodine	No obvious corrosion in 85% aqueous solution
HQR171023001-08	Antibacterial & fungal resistance		Antibacterial activity	QB/T 2591-2003	Antibacterial performance	Antibacterial rate: 92%
			Resistance to fungi	QB/T 2591-2003	Fungal resistance performance	Grade 1; small area of fungal growth