



TEST REPORT

98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Korea

TEL 82-41-589-0010

FAX 82-41-589-0012

Report No : TAK-2025-176415

Receipt Date : 2025.12.22.

Representative : YOUNG IL. KIM

Test Completion Date : 2026.01.27.

Company name : KDF CO.,LTD

Address : 110-3, Sinbong-gil, Yeongin-myeon, Asan-si, Chungcheongnam-do, Korea.

Sample name : UNIDECO Looselay TILE(5mm)

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Appearance	-	-	No defects	KS M 3802:2022
Length	mm	-	1 219.2	KS M 3802:2022
Width	mm	-	177.79	KS M 3802:2022
Thickness	mm	-	5.01	KS M 3802:2022
Verticality	mm	-	0.05	KS M 3802:2022
Phthalate plasticizer (upper layer)	%	-	Not detected	KS M 3802 : 2022
Phthalate plasticizer (lower layer)	%	-	Not detected	KS M 3802 : 2022
Indentation(23 °C)	mm	-	0.68	KS M 3802:2022
Indentation(45 °C)	mm	-	0.92	KS M 3802:2022
Residual indentation[Method A]	mm	-	0.11	KS M 3802:2022
Width change rate by heating	%	-	0.05	KS M 3802:2022
Length change rate by heating	%	-	0.04	KS M 3802:2022
Contamination Resistance(Soybean Oil)	-	-	No defects	KS M 3802:2022
Contamination Resistance(Lubricant Oil)	-	-	No defects	KS M 3802:2022
Contamination Resistance(95 % Ethyl alcohol)	-	-	No defects	KS M 3802:2022

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Reviewed by Kyoung-Mun KIM

Tel : 1577-0091(ARS ①→④)

2026.01.27

Korea Testing & Research Institute

President



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TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Contamination Resistance(Cement paste)	-	-	No defects	KS M 3802:2022
Contamination Resistance(10 % Ammonium Water)	-	-	No defects	KS M 3802:2022
Contamination Resistance(Milk)	-	-	No defects	KS M 3802:2022
Contamination Resistance(5 % Acetic acid)	-	-	No defects	KS M 3802:2022
Contamination Resistance(5 % HCl)	-	-	No defects	KS M 3802:2022
Contamination Resistance(Kerosine)	-	-	No defects	KS M 3802:2022
Contamination Resistance(Soy sauce)	-	-	No defects	KS M 3802:2022
Slip Resistance(Dry)(Slider55)(*)	-	-	DP5	KS M 3802 : 2022
Slip Resistance(Wet)(Slider55)(*)	-	-	WP5	KS M 3802 : 2022
Abrasion Resistance	mg	-	49	KS M 3802:2022
Flame retardant performance-Height direction-Chared length(*)	mm	-	33	KS M 3802 : 2022
Flame retardant performance-Height direction-After flame time(*)	s	-	0	KS M 3802 : 2022
Flame retardant performance-Width direction-Chared length(*)	mm	-	34	KS M 3802 : 2022

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TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Flame retardant performance-Width direction-After flame time(*)	s	-	0	KS M 3802 : 2022

- Method Detection Limit -

Di(ethylhexyl) phthalate (DEHP) : 0.005 %

Di-n-octyl phthalate (DNOP) : 0.005 %

Di-n-butylphthalate (DBP) : 0.005 %

Butyl benzyl phthalate (BBP) : 0.005 %

Di-isononyl phthalate (DINP) : 0.005 %

Di-iso-decyl phthalate (DIDP) : 0.005 %

DI-isobutyl phthalate(DIBP) : 0.005 %

* The test results are the results of a request to an external accredited testing agency.

Slip Resistance Raw data (Slider 55) : DP5: 104, WP5: 58 [BPN]

- Usage of Report : QUALITY CONTROL

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TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
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- End of Report -

- Note :
1. The test results of this test report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client. You Can check website (www.ktr.or.kr) or QR code to verify the authenticity of the certificate.
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 3. This test report is only valid when printed on KTR original report paper with hologram and when re-issued by KTR. The copy and the electronic file of the test report are only for reference.

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