



TEST REPORT

15, Jongga-ro, Jung-gu, Ulsan, 44412, Korea

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Report No : TAK-2021-168592

Receipt Date : 2021.11.26.

Representative : Mong-Jin, Chung/ CHUNG JAE-HUN

Test Completion Date : 2022.01.07.

Company name : KCC Corporation Ulsan plant

Address : 30, Bangeojinsunhwando-ro, Dong-gu, Ulsan, Republic of Korea

Sample name : Siloxane Type(ST1020)

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Appearance for Dried Films	-	-	No Defects	KS M 5000 : 2019
Condition in Container	-	-	No Defects	KS M 5000 : 2019
Color	-	-	Similar	KS M 5000 : 2019
Specific Gravity(Base, (25 ± 0.5) °C)	-	-	1.46	KS M ISO 2811-1 : 2016
Consistency(Base, (25 ± 0.5) °C)	K.U	-	99	KS M 5000 : 2019
Nonvolatile Content(Base, (105 ± 2) °C, 3 h)	%	-	71.9	KS M ISO 3251 : 2011
Fineness of Grind(Base)	µm	-	10	KS M ISO 1524 : 2013
Specular Gloss(60°)	GU	-	92	KS M ISO 2813 : 2015
Dry-Through Time((25 ± 1) °C)	h	-	8	KS M 5000 : 2019
Pot Life(Mix, (20 ± 1) °C)	h	-	11	SPS-KPIC 5011-1764 : 2008
Sagging Test(Mix)	µm	-	450	KS M ISO 16862 : 2011
Contrast Ratio	%	-	95	KS M ISO 2814 : 1973
Accelerated Weathering Test(UV, 700 h) Gloss Retention	%	-	90	KS M ISO 16474-3 : 2013, KS D 8303 : 2009
Accelerated Weathering Test(UV, 700 h) Chalking	-	-	0	KS M ISO 16474-3 : 2013, KS M ISO 4628-6 : 2011

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2022.01.07

Korea Testing & Research Institute

President



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Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
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- ※ Test Specimens : Provided By Client
- ※ Mixing Ratio(Weight) ⇒ PTA : PTB = 100 : 18
- ※ Accelerated Weathering Test
 - ⇒ UV Lamp : UVA-340, Irradiance : 0.76 W/m² (340 nm),
 - Exposure Time/Temp : 4 h UV / (60 ± 1) °C,
 - Condensation Time/Temp : 4 h Con / (50 ± 1) °C,
 - Total Exposure Time : 700 h.

- Usage of Report : QUALITY CONTROL

- 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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