



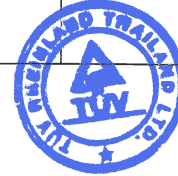
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Auftraggeber: <i>Client:</i>	Carmake Arpro Co.,Ltd 76-4 Kuroyama Mihara-Ku Sakai-Shi 587-0002 Osaka, Japan		
Gegenstand der Prüfung: <i>Test item:</i>	Car coating agent		
Bezeichnung: <i>Identification:</i>	ULGO GLASS BASED COATING AP-1	Serien-Nr.: <i>Serial No.:</i>	N/A
Wareneingangs-Nr.: <i>Receipt No.:</i>	1203057227	Eingangsdatum: <i>Date of receipt:</i>	11 September 2018
Prüfart: <i>Testing location:</i>	TÜV Rheinland Thailand Ltd. Global Technology Assessment Center Bangkok (GTAC BKK) Ladkrabang Industrial Estate 123/1, Floor 1-2 Soi Chalongsung 31, Lamplatew, Ladkrabang, Bangkok 10520 Thailand		
Prüfgrundlage: <i>Test specification:</i>	Customer's spec : Drain Test Method (Water – Repellency)		
Prüfresultat: <i>Test Result:</i>	Prüfresultate finden Sie auf den folgenden Seiten. <i>Refer to the following pages.</i>		
Prüflaboratorium: <i>Testing Laboratory:</i>	TÜV Rheinland Thailand Ltd.		
geprüft/ tested by:	kontrolliert/ reviewed by:		
 13 September 2018 Arada Samanloh / Test Engineer Datum Date	 13 September 2018 Utai Unagul / Lab Manager, Mobility Datum Date		
Sonstiges/ Other Aspects:			
Other information: Test period: 12 September 2018 Delivery Condition: Appearance Good			
Abkürzungen:	P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	Abbreviations:	P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</p> <p><i>This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i></p>			

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Material list

Material No.	Part Description	Color
M001	A applied ULGO	Black
M002	B not applied ULGO	Black

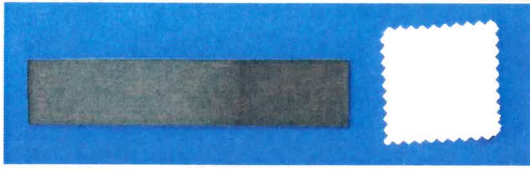

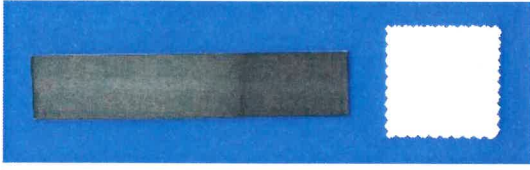
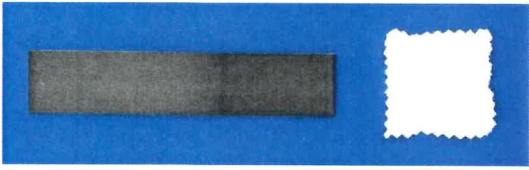










Drain Test Method

Test method: Customer's spec.

- Test condition:**
1. Measure gloss at 60 degree for before test.
 2. Rubbing with rubbing test machine by a certain weight 500g cover with standard test fabric and apply with soapy water for 600 times.
 3. Visual check and measure gloss for after test.

Test result (Photos):

Material No.	Before test	After test
M001-1		
M001-2		
M001-3		
M002-1		
M002-2		
M002-3		



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Test result (Appearance):

Material No.	% Gloss reduce	Staining	Criteria	Judgment
M001-1	99.20%	5	As per customer required.	N/A
M001-2	99.73%	5		N/A
M001-3	98.81%	5		N/A
M002-1	81.53%	5		N/A
M002-2	86.35%	5		N/A
M002-3	84.44%	5		N/A



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