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Jae Young Chemical Co. Ltd.
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Test Report No. 421211-03

1 Procedure

Order..... Classification according to EN 649:2011
Determination of dynamic coefficient of
friction according to EN 13893:2002
Sample designation..... PVC Venice Premium
Customer..... Jae Young Chemical Co. Ltd.
Order date 27th June 2012
Your reference SH Park
TFI reference number..... 12-09-0083
Test official at TFI..... Dipl.-Ing. Ulrike Balg, extension -133

2 Short sample description

Product type resilient floor covering
Type of manufacture calendaring and laminating
Type of surface smooth
Colouring / patterning brown, light brown, dark brown patterned
Material PVC *

* Customer's information

3 Test results

Test Method	Parameter / Property	Test result	Requirement according EN 649:2011	Annex
EN ISO 24341	Length Average [mm] Width Average [mm] Straightness largest value [mm]	7218 1837 2.0	not possible fulfilled	BDM
EN ISO 24346	Overall thickness Average [mm] Maximum value [mm] Minimum value [mm]	2.01 2.02 1.99	fulfilled fulfilled fulfilled	BDM
EN ISO 24346	Mass by unit area [g/m ²]	2980	fulfilled	BDM
EN ISO 24344	Flexibility	no cracking	fulfilled	BI
EN 660-2	Wear resistance Loss of volume [mm ³]	1.8	wear Group T	FT
EN 20105-B02/3	Colour fastness to light	8	fulfilled	LE
EN ISO 23999	Dimensional stability [%] Curling [mm]	L 0.05 C 0.05 5.1	fulfilled fulfilled fulfilled (sheets and tiles intended for welding)	MW
EN ISO 24340	Thickness of wear layer Average [mm] Maximum value [mm] Minimum value [mm]	0.38 0.36 0.40	fulfilled	ND
EN ISO 24343	Residual Indentation [mm]	0.18	fulfilled	RED
EN 425	Castor chair suitability	no delimitation	fulfilled	S
EN 649	Classification	class 21/ 22/22+	provided that characteristic length/ width (roll form) and indentation are fulfilled	

Test Method	Parameter / Property	Test result	Requirement according EN 14041:2008	Annex
EN 13893	Dynamic coefficient of friction [μ]	0.31	technical class DS	GW

4 Annexes

The individual results as well as type and extent of the tests can be found in the following annexes:

Overall thickness and -mass	BDM	421211-03
Flexibility	BI	421211-03
Wear resistance ^a	FT	421211-03
Dynamic coefficient of friction	GW	421211-03
Colour fastness to light method 2 ^a	LE	421211-03
Dimensional stability after heat impact ^a	MW	421211-03
Thickness of wear layer ^a	ND	421211-03
Indentation ^a	RED	421211-03
Castor chair test ^a	S	421211-03

The annexes marked ^a are based on tests accredited according to EN ISO/IEC 17025.

Aachen, 13th November 2012



Dr. Ernst Schröder

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