

	Test method	Requirements	Average test results from running production					
			926	926 arago 926 castello 926 grano 926 satira	825	926 kivo	992 992 grano	975 LL
CE conformity	EN 14041		Manufacturer: nora systems GmbH, D-69469 Weinheim					
DoP-No.	EN 14041		0021		0004	0021	0023	0024
Thermal conductivity	EN 10456	$\lambda = 0.17 \text{ W/(m·K)}$	Fulfilled					
Dynamic coefficient of friction	EN 13893	DS	Fulfilled					
Reaction to fire	EN 13501-1	Not bonded	C _F s1		C _F s1	C _F s1	C _F s2	B _F s1
Reaction to fire	EN 13501-1	Bonded on mineral subfloor	B _F s1		B _F s1	B _F s1	C _F s1	-

Properties acc. to EN 1817/EN 12199

Thickness	EN ISO 24346	Mean value $\pm 0.20 \text{ mm}$ according to EN 12199	4 mm		3.2 mm		9 mm (Art. 1956)	
		Mean value $\pm 0.15 \text{ mm}$ according to EN 1817		3.5 mm		2.7 mm	9 mm (Art. 1955)	3.5 mm
Dimensional stability	EN ISO 23999	$\pm 0.4 \%$	$\pm 0.2 \%$					$\pm 0.1 \%$
Tear strength	ISO 34-1, method B, procedure A	Mean value $\geq 20 \text{ kN/m}$	40 kN/m	40 kN/m	35 kN/m	35 kN/m	45 kN/m	40 kN/m
Cigarette-burn resistance	EN 1399	Procedure A (stubbled out) \geq level 4 Procedure B (burning) \geq level 3	Fulfilled					
Flexibility	EN ISO 24344, procedure A	Mandrel diameter 20 mm, no fissuring	Fulfilled					
Hardness	ISO 48-4	$\geq 70 \text{ Shore A}$ (EN 12199) $\geq 75 \text{ Shore A}$ (EN 1817)	82 Shore A	82 Shore A	87 Shore A	82 Shore A	70 Shore A	85 Shore A
Residual indentation	EN ISO 24343	Mean value $\leq 0.25 \text{ mm}$ at thickness $\geq 3.0 \text{ mm}$ Mean value $\leq 0.20 \text{ mm}$ at thickness $< 3.0 \text{ mm}$	0.12 mm	0.12 mm	0.12 mm	0.12 mm	0.25 mm	0.07 mm
Abrasion resistance at 5 N load	ISO 4649, procedure A	$\leq 250 \text{ mm}^3$	115 mm ³	115 mm ³	130 mm ³	115 mm ³	90 mm ³	150 mm ³
Colour fastness to artificial light	ISO 105-B02, procedure 3, test conditions 6.1 a)	At least level 6 on the blue scale; \geq level 3 on the grey scale	Grey scale \geq level 3 acc. to ISO 105-A02					
Classification	EN ISO 10874	Commercial/Industrial	34/43	34/43	32/41	34/43	34/43	34/43

Additional technical properties

Toxicity of fire gases	DIN 53436		Carbonisation gases are non-toxic		-	Carbonisation gases are non-toxic		-
Anti-slip properties	DIN 51130	According to BGR 181	R 9	R 9 926 grano/Art. 1880 = R 9 926 grano/Art. 1870 = R 10 arago = R 10	R 9	R 9	R 9	R 9 975 LL serra = R 10
	DIN 51097		A	926 grano/Art. 1870 = A, B arago = A, B	-	-	-	-
Improvement in footfall sound absorption	ISO 10140-3		12 dB	10 dB	9 dB	8 dB	15 dB	8 dB
Effect of chemicals	EN ISO 26987		Resistant depending on concentration and time of exposure*					
Electrical insulation properties	EN 1081 R1		$> 10^9 \text{ Ohm}$					
Electrical propensity when walked upon	EN 1815		Antistatic, charging in case of rubber soles $< 2 \text{ kV}$					
Effect of a castor chair	EN 425		Suitable if castor wheels, type W, according to EN 12529 are used					
Underfloor heating	EN 1264-2		Suitable, max. 35° C					

* In case of increased impact of oils, grease, acids, alkalis and other aggressive chemicals please contact us.

EN 1817: Specification for homogeneous and heterogeneous smooth elastomer floor coverings
EN 12199: Specification for homogeneous and heterogeneous profiled elastomer floor coverings

Colour variations due to different production batches as well as technical alterations to improve the product have to be accepted.