

EVOLUTION

Commercial Non-directional Homogeneous Vinyl Sheet Flooring

PRODUCT SPECIFICATION

Total Thickness	EN 428	mm	2
Roll Width	EN 426	m	2
Roll Length	EN 426	m	20
Weight	EN 430	g/m ²	2800
Surface Treatment			PUR

CLASSIFICATION

Abrasion Group	EN 660-2	Class	T
Classification (Commercial)	EN 649	Class	34
Classification (Industrial)	EN 649	Class	43
Fire Rating	EN 13501-1:2007	Class	Bfl-s1
Flammability	ASTM E648	Class	I
Slip Resistance	DIN 51130:2004	Class	R9
Formaldehyde Emission	EN 14041	Class	E1
Fungi Resistance	ASTM G21	Class	0

PRODUCT PERFORMANCE

Flexibility	EN 435:1994 Method A	-	No crack
Indentation Residual	EN ISO 24343-1	mm	≈0.04
Static Electric Charge	EN 1815	kV	<2
Static Load Limit	ASTM F970	mm	0.034
Static Coefficient of Friction (Dry)	ASTM D2047-11	-	0.37
Static Coefficient of Friction (Wet)	ASTM D2047-11	-	0.39
Color Fastness	EN ISO 105-B02	-	6
Effects of Stain	EN 423	-	Pass
Dimension Stability (X Direction)	EN 434:1994	%	0.16
Dimension Stability (Y Direction)	EN 434:1994	%	0.14
Curling	EN 434:1994	mm	0.06
Toxicity Fumes	BS 6853:1999 Annex B	-	<0.3
Smoke Density	ASTM E662-13A	-	<450
Thermal Conductivity	EN 14041	W/m·K	0.043
Iodine Resistance			Excellent

CUSTOMIZABLE FUNCTION

Electrical Resistance	EN 1081-1998	Ω	10 ⁶ ~10 ⁸
Antimicrobial Activity (Aspergillus Niger)	ASTM G 21-13	Grade	0
Antimicrobial Activity (Penicillium Pinophilum)	ASTM G 21-13	Grade	0
Antimicrobial Activity (Ayreobasidium Pullulans)	ASTM G 21-13	Grade	0
Antimicrobial Activity (Chaetomium Globosum)	ASTM G 21-13	Grade	0
Antimicrobial Activity (Trichoderma Virens)	ASTM G 21-13	Grade	0
Antimicrobial Activity (Staphylococcus Aureus)	ASTM G 21-13	%	>99.9
Antimicrobial Activity (Klebsiella Pneumoniae)	ASTM G 21-13	%	>99.9
Antimicrobial Activity (Pseudomonas)	ASTM G 21-13	%	>99.9