

Technical Data Sheet – EXELIA LW – USA

Generic product description: PVC interlocking tiles.
Resilient floor covering: homogenous polyvinyl chloride floor coverings.
Intended use: internal use as floor coverings.

Technical Specifications	Standard	Unit	Average values
Dimensions	ASTM F2055	mm in	503X503 19 ^{13/16} X19 ^{13/16}
Overall Thickness	ASTM F386	mm in	7 9/32
Hardness	ASTM D2240	Shore A	93
Flexibility (test performed with a 20 mm Mandrel)	ASTM F137	mm	25
Change in Mass After Immersion	ASTM D471	g/in ²	0.0163
Fire Resistance	ASTM E 648		Pass
Smoke Density	ASTM E 662		Class 1
Critical Radiant Flux	ASTM E648 (NFPA 253 FTM Standard 372)	W/cm ²	1.02 ± .04 (Class I)
Dimensional Stability	EN 434	in per 12 in	Length: -0.047 (0.39% Loss), Width:-0.016 (0.13% Loss)
Curling After Exposure to Heat	EN 434	in	0
Density and Specific Gravity	ASTM D792	/	1.37
Breaking Load	ASTM D638 & ASTM D412	lbs	99.27
Elongation	ASTM D638 & ASTM D412	%	66.2
Tensile Strength	ASTM D638 & ASTM D412	lbs/in ²	696.6
Light Stability by Color Change	ASTM F1515	Gray scale rating	4.3 - Slight change
Chemical Resistance Against: Acetic Acid, Alcohol, Mineral Oil, Sodium Hydroxide, Hydrochloric Acid, Ammonia, Bleach, Phenol, Gasoline, Sulfuric Acid, Kerosene, Olive Oil	ASTM F925	24 hours	No Deterioration
Heat Stability by Color Change	ASTM F1514	Gray scale rating	4.5 - Slight Change
Abrasion Resistance of Organic Coatings by the Taber Abraser	ASTM D4060	g	0.19 (0.36%)
Static Coefficient of Friction by the Horizontal Dynamometer Pull- Meter Method	ASTM C1028	Wet Dry	0.55 0.60
Dielectric Breakdown	ASTM D149	V	Exceeds 40,000
Protection of Electrostatic Discharge of Susceptible Items	ANSI ESD S7.1 (2005)	Ω	3.8x10 ¹¹
Emissions Testing	CAL 1350	µg/m ³	Average Values: All chemicals of concern under CAL 1350 required criteria at the 11, 12, 13 and 14 day marks, meets the requirements set forth under CAL 01350.