



Technical Sheet
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| Technical Specification | Standard | Units of Measurement | Flexi-Tile Coin 20.5" x 20.5" | Flexi-Tile Diamond 20.5" x 20.5" | Flexi-Tile Homestyle 18" x 18" | Flexi-Tile Commercail 20.5" x 20.5" | Flexi-Tile Industrial 20.5" x 20.5" | |
|--|-------------------|---|----------------------------------|-------------------------------------|-----------------------------------|--|--|--|
| Thickness | | mm | 4.5 | 4.5 | 5 | 5 | 7 | |
| Material | | | PVC SGI1.40 | PVC SGI 1.37 | PVC SBI1.40 | PVCSGI1.40 | PVC SGI1.37 | |
| Hardness | IS0868 | Shore A | 80 | 80 | 80 | 80 | 92 | |
| Abrasion | DIN50504 | Nmm | 15 | 15 | 15 | 15 | 17 | |
| Wear Resistance | DIN53516 | mm | 87.9 | 87.9 | 87.9 | 87.9 | 90.6 | |
| Moisture Absorption | ASTM D-0471 | | Less than 3% by weight (72H@70F) | | | | | |
| Specific Gravity | ASTM D-792 | | 1.37 (+/- 0.02) | 1.37 (+/- 0.02) | 1.37 (+/- 0.02) | 1.37 (+/- 0.02) | 1.37 (+/- 0.02) | |
| Tensile Strength | ASTM D-638 | psi | 2700 | 2700 | 2700 | 2700 | 2700 | |
| 100% Modulus | ASTM D-412 | psi | 2700 | 2700 | 2700 | 2700 | 2700 | |
| Dielectric Strength | ASTM D-149-97A | KV | Exceeds 45 | Exceeds 45 | Exceeds 45 | Exceeds 45 | Exceeds 45 | |
| Fleame Spread | DIN51960 | | Class 1 | Class 1 | Class 1 | Class 1 | Class 1 | |
| Fire Resistance | ANSI/ASTM E648979 | A/NFPA235 1995 Critical Rad Flux | Class 1 | Class 1 | Class 1 | Class 1 | Class 1 | |
| Electrical Resistance | DIN 53582 | Ohms | 1X10 14 | 1X10 14 | 1X10 14 | 1X10 14 | 1X10 14 | |
| Anti-Slip | ASTMC 1028/89 | Co-efficient of | Very Good | Very Good | Very Good | Very Good | Very Good | |
| Dimensional Stability | NF EN404 | % | .040 | .040 | .040 | .040 | .040 | |
| Chemical Resistance | DIN 51958 | | | | | | Good | |
| Hydrochloric Acid * 96% Ethanol * 100% Acetic Acid * 100% Nitric Acid * 69 % Sulfuric Acid * 98% Chomic Acid 40% Toluene, Trichloroethylene, Acetone, Engine Oils, Gasonline, Urine | | | | | | | | |
| Standard Indentation | ND EN 433 | Inch | | | | | | |
| * Under Load | | | 1.40 | 1.30 | 1.40 | 1.40 | 1.57 | |
| * Load Removal | | | .20 | .17 | .20 | .20 | .50 | |
| Anti-Static* | Special 1x108 | Anti-Static Tiles | | | | | | |
| UV Stability** | | | Good | Good | Good | Good | Good | |
| Sound Absorption | db | Up to 48 db | Up to 40db | Up to 40db | Up to 40db | Up to 40db | Up to 40db | |
| Thermal Resistance | BS4745 | | Good | Good | Good | Good | Good | |
| Thermal Conductivity | BS4745 | | Good | Good | Good | Good | Good | |
| * Anti-static tiles available in dark grey only (minimum order 650 sq feet) * UV Stability can be added to prevent fading on tiles to be installed in direct sunlight (min order 650 sq feet) | | | | | | | | |