

FlexiFlor® Test Data

Physical Properties		
Moisture Absorption	ASTM D471	Less than 0.2% by weight (72 hrs @ 70°F)
Compression Set	ASTM D395 (Method A)	7.50%
Tear Strength	ASTM D624 (Die C)	120 pounds per inch
Coefficient of Friction	ASTM D2047	.6 -.7 Dry
Dimensional Stability	ASTM F2199	Machine Direction .10% Across Machine Direction .15%
Hardness	ASTM 2240 (Shore A)	90 ± 5
Impact Sound Transmission	ASTM E492E - 73t	Impact Noise Rating - 18 Impact Insulation Class 33

Resistance to Chemicals and Spills						
	Stain Effects ¹		Swelling		Hardness ²	
	After 1 hr	After 24 hrs	After 1 hr	After 24 hrs	After 1 hr	After 24 hrs
Urine	None	None	None	None	92	93
Animal blood	None	None	None	None	93	93
70% Alcohol	None	None	None	None	93	93
Acetone	None	None	None	None	93	93
Chloroform	None	None	None	None	92	93
37% Formaldehyde	None	Residue ³	None	None	92	93
Muriatic Acid	None	None	None	None	93	93
Carbon tetrachloride	None	None	None	None	93	92
5% Acetic Acid	None	None	None	None	93	93

¹ All flooring washed with running water after exposure and using light scrubbing except as noted.

² Original durometer of flooring was 93.

³ White residue removed with hard vigorous scrubbing.

Flame Spread Ratings			
	ASTM-E84	ASTM-E648	ASTM-E662
	Tunnel Test	Critical Radiant Flux Test	Smoke Suppression Test
3/32" Gauge Flexi-Flor Rubber Flooring	75 or less	.65 Watts/centimeter ² or greater	less than 450 (after 4 minutes)
1/8" Gauge Flexi-Flor Rubber Flooring	75 or less	.65 Watts/centimeter ² or greater	less than 450 (after 4 minutes)
#50 & 55 Medium Duty Rubber Stair Treads	75 or less	.65 Watts/centimeter ² or greater	less than 450 (after 4 minutes)
#60 & 65 Heavy Duty Rubber Stair Treads	75 or less	.65 Watts/centimeter ² or greater	less than 450 (after 4 minutes)
#80 & 85 Long Nose Rubber Stair Treads	75 or less	.65 Watts/centimeter ² or greater	less than 450 (after 4 minutes)

3/16" FlexiFlor, Wide Rib Rubber matting and all molded rubber stair treads are manufactured from the same ingredients and in similar ratios to those tested and would have comparable flame spread ratings. Meets requirements of NFPA-101 Class I floor finishes

Although no national standard exists for smoke toxicity, FlexiFlor® Rubber Flooring presents a very low level of toxicity relative to PVC and other resilient composition flooring materials.

None of the products manufactured by FlexiFlor® contain ozone depleting chemicals (ODCs) nor are they produced using ODC-containing materials.

Testing performed at: Smithers Scientific Services, Inc., Akron, Ohio