

Diamond Plate Safety Step - Anti-Fatigue Matting

v122022

PRODUCT COMPOSITION		
Manufacturing Process	ISO 9001:2000	Fusion-Bonded Composite
Wear Surface		3/16" Solid PVC Diamond-Patterned
Cushioning		Closed-Cell PVC Foam
PRODUCT DIMENSIONS		
Overall Gauge ($\pm 0.050"$)		$\sim 9/16"$
Wear Layer Gauge ($\pm 0.10"$)		$\sim 1/8"$
Foam Cushion Density		~ 20 lbs/cu. ft.
Total Weight		~ 1.7 lbs/sq. ft.
TECHNICAL SPECIFICATIONS		
Tensile Strength	ASTM D412	1200 lbs/sq. in.
Graves Tear Strength	ASTM D1004	150 lbs
Elongation	ASTM D412	200% Longitudinal
Abrasion Resistance		<1% Loss
Taber Abrasion		1000 cycles, 1000g load, CS-17 Wheel
Hardness	ASTM D2240	80 \pm 5 (Shore 'A') 6 months aging (negligible Δ)
Compression		12% max
Static Coefficient of Friction	ASTM C1028	Dry: 0.78
FLAMMABILITY		
Flame Resistance	FMVSS 302	Pass
CHEMICAL RESISTANCE		
Acetic Acid: No Effect	Acetone: Not Recommended	Animal Fats: Negligible Effect
Brake Fluid: Negligible Effect	Butyl Alcohol: Negligible Effect	Chlorine (wet): Moderate Effect
Cutting Fluid (water based): Negligible Effect	Cutting Fluid (soluble oils): Not Recommended	Diesel Fuel: Moderate Effect
Gasoline: Moderate Effect	Mineral Oil: Moderate Effect	Nitric Acid: Negligible Effect
Sodium Hydroxide: Negligible Effect	Sulfuric Acid: Negligible Effect	Toluene: Moderate Effect
Transmission Fluid: Moderate Effect	Trichloroethane: Not Recommended	Vegetable Oil: Negligible Effect