

Ergomat Nitril

Nitril and Nitril Smooth are general application, non-porous rubber mats that will not curl, swell, or otherwise deteriorate when exposed to oils. The Nitril Mat provides exceptional traction in wet or oily environments and the flat surface profile of the Nitril Smooth makes it especially accessible to cart and trolley traffic. Available in [ESD/Conductive](#) versions and in 2 profiles: [Nitril](#) and [Nitril Smooth](#).



NITRIL / NITRIL SMOOTH

NITRIL ESD / NITRIL SMOOTH ESD



ERGONOMIC



BEVELED EDGE



ISO CLEANROOM
CERTIFIED



E S D



HOLES CAN BE
ADDED

2 Profiles

Nitril/Nitril ESD

Nitril Smooth/Nitril Smooth ESD



Thickness .43" (1.1 cm)



Thickness .43" (1.1 cm)

BENEFITS

ERGONOMIC: Designed to stimulate circulation in feet, legs, and lower back. Circulation is stimulated by the unique, patented surface profile of Ergomat mats, which forces muscular response.

BEVELED EDGES: Always molded w/ bevels. Yellow bevels can be added. Bevels will never curl up, eliminating trip hazards.

ISO CLEANROOM CERTIFIED: Nitril mats are ISO Cleanroom Class 3-5 rated.

CONDUCTIVE OPTION Engineered with enhanced static control. Electrical resistance : $5 \times 10^4 \Omega$ – $1.5 \times 10^5 \Omega$

HOLES CAN BE ADDED: In situations with excessive fluid volume or the need to promote air flow, holes can be added.

SILICON FREE: All Ergomat mats are silicon & latex free.

TRUE WARRANTY: Ergomat stands 100% behind our products with full replacement coverage if our product fails to perform as promoted within that period. At Ergomat we call this a *True Warranty*.

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Rev. 09/17/2025

ERGOMAT NITRIL

ERGOMAT NITRIL	NITRIL	NITRIL ESD	NITRIL SMOOTH	NITRIL SMOOTH ESD
Material.....	Nitrile Rubber			
Color	Black			
Weight.....	3600 g +/- 50 g // 8 lbs +/- 1.75 oz		3200 g +/- 50 g // 8 lbs +/- 1.75 oz	
Length without beveled edges	91,4 cm +/- 1% // 36" +/- 1%		80 cm +/- 1% // 31.5" +/- 1%	
Width without beveled edges	60 cm +/- 1% // 23.6" +/- 1%		50,17 cm +/- 1% // 19.75" +/- 1%	
Thickness	11 mm // 0.43"		11 mm // 0.43"	
Density.....	1370 kg/m ³ ISO 2781			
Hardness	50-60 Sh A ISO 868			
Abrasion Load = 5 N	92 mm ³ // 3.6 in ³ ISO 46 49 (5 N)	63 mm ³ // 2.5 in ³ ISO 46 49 (5 N)	92 mm ³ // 3.6 in ³ ISO 46 49 (5 N)	63 mm ³ // 2.5 in ³ ISO 46 49 (5 N)
Electrical Resistance Surface point to point % 50 RH.....	>1 x 10 ¹⁰ Ω IEC-61340 4-1/ESD STM7.1-2001	1,4x10 ⁴ Ω - 7x10 ⁴ Ω DS EN 61340-5-1	>1 x 10 ¹⁰ Ω IEC- 61340 4-1/ESD STM7.1-2001	1,4x10 ⁴ Ω - 7x10 ⁴ Ω DS EN 61340-5-1
Elongation at Break.....	790% ISO 37	400% ISO 37	790% ISO 37	400% ISO 37
Tearing Strength	28 N/mm ISO 37 Method C	36 N/mm ISO 37 Method C	28 N/mm ISO 37 Method C	36 N/mm ISO 37 Method C
Thermal Conductance	3,3 W/m/°C Table Value			
Thermal Properties				
Minimum use	-40°C // -40°F			
Maximum use	90°C // 194°F			
Maximum short duration	150°C // 300°F			
Flame Point	400°C // 752°F			
UV-Resistance	Inferior			
Cleanroom Application	ISO Class 5	ISO Class 5	ISO Class 3	ISO Class 3
Warranty.....	3 years			