

# 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](#), [Fire Retardant](#) versions and in 2 profiles: [Nitril](#) and [Nitril Smooth](#).



NITRIL / NITRIL SMOOTH

NITRIL ESD / NITRIL SMOOTH ESD

NITRIL FIRE RETARDANT



## 2 Profiles

Nitril/Nitril ESD/Nitril Fire Retardant

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 5 (Class 100) rated .

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

**FIRE RETARDANT** : According to Standard EN 13501-1.

**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 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*.

# ERGOMAT NITRIL

	NITRIL	NITRIL ESD	NITRIL SMOOTH	NITRIL SMOOTH ESD	NITRIL FIRE RETARDANT
Material.....	Nitrile Rubber				
Color.....	Black				
Weight.....	3600 g +/- 50 g // 8 lbs +/- 1.75 oz		3200 g +/- 50 g // 8 lbs +/- 1.75 oz		3600 g +/- 50 g // 8 lbs +/- 1.75 oz
Length without beveled edges	91,4 cm +/- 1% // 36" +/- 1%		80 cm +/- 1% // 31.5" +/- 1%		91,4 cm +/- 1% // 36" +/- 1%
Width without beveled edges	60 cm +/- 1% // 23.6" +/- 1%		50,17 cm +/- 1% // 19.75" +/- 1%		60 cm +/- 1% // 23.6" +/- 1%
Thickness.....	11 mm // 0.43"		11 mm // 0.43"		11 mm // 0.43"
Density.....	1370 kg/m <sup>3</sup> ISO 2781				
Hardness.....	50-60 Sh A ISO 868				
Abrasion Load = 5 N.....	92 mm <sup>3</sup> // 3.6 in <sup>3</sup> ISO 46 49 (5 N)	63 mm <sup>3</sup> // 2.5 in <sup>3</sup> ISO 46 49 (5 N)	92 mm <sup>3</sup> // 3.6 in <sup>3</sup> ISO 46 49 (5 N)	63 mm <sup>3</sup> // 2.5 in <sup>3</sup> ISO 46 49 (5 N)	92 mm <sup>3</sup> // 3.6 in <sup>3</sup> ISO 46 49 (5 N)
Electrical Resistance Surface point to point % 50 RH.....	>1 x 10 <sup>10</sup> Ω IEC-61340 4-1/ESD STM7.1-2001	5 x 10 <sup>4</sup> – 1.5 x 10 <sup>5</sup> DS EN 61340-5-1	>1 x 10 <sup>10</sup> Ω IEC-61340 4-1/ESD STM7.1-2001	5 x 10 <sup>4</sup> – 1.5 x 10 <sup>5</sup> DS EN 61340-5-1	>1 x 10 <sup>10</sup> Ω IEC-61340 4-1/ESD STM7.1-2001
Elongation at Break.....	790% ISO 37	400% ISO 37	790% ISO 37	400% ISO 37	790% 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	28 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 (100) EN ISO 14644-1				
Warranty.....	3 years				