

Radiation Attenuating Gloves

When it comes to radiation exposure, the surgeon's hands remain the body part having the greatest exposure.

Latex Free and Lead Free Radiation Attenuating Gloves offers an effective, safer and more sustainable option for healthcare professionals.

IneoGuard™ radiation attenuating surgical gloves are developed by IneoTech using a proprietary formulation of polyisoprene and tungsten as the attenuating material. Our gloves are latex free, lead free, MBT free and DPG free, promoting safer skin protection for healthcare professionals.



ineoGuard™

Synthetic Polyisoprene, Powder Free Radiation Attenuating Surgical Gloves

Gloves are designed with a unique material composition that offers an enhanced flexibility, enabling excellent tactile sensitivity and prolonged wear without hand fatigue.

Key Features and Benefits

- Latex free¹, Lead free².
- Soft formulation made of synthetic polyisoprene
- Hi-density tungsten composition.
- Enhanced flexibility and comfort for instrument handling.
- Textured finger micro-surface to provide an optimum control.

High Density Attenuation Composition

Designed with a proprietary tungsten composition which is 75% more dense than lead, ineoGuard offers superior attenuation ability than leaded gloves at equivalent thickness.

Lead Free², No DPG³ and No BMT⁴

ineoGuard glove is formulated without DPG and MBT chemical accelerators, promoting skin health and offering a safer option to professionals while reducing lead pollution to the environment.



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Service Hotlines
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Product Description

Intended Use	Radiation attenuating surgical gloves to reduce the exposure from harmful scattered ionizing rays on the operator's hand during fluoroscopic procedures. These gloves are not to be used in or next to the primary X-Ray beam.
Material	Soft synthetic polyisoprene containing lead-free radiation attenuating tungsten alloy. Formulated without Diphenylguanidine (DPG) and without Mercaptobenzothiazole (MBT), recently classified as cancer-causing agent in the California Prop-65.
Donning	Powder free, Polymer coated
Colour	Dark grey
Sterilization	Radiation, > = 25kGy
Shelf Life	3 years from the manufacturing date. Store in cool, dry and ozone free place. Keep out of direct sunlight.
Packaging	5 pairs per box
Quality Control	100% of gloves are visually inspected

Ordering Information

Size	Product Codes	
	Model 1	Model 2
5.5	INT-IG155	INT-IG255
6	INT-IG160	INT-IG260
6.5	INT-IG165	INT-IG265
7	INT-IG170	INT-IG270
7.5	INT-IG175	INT-IG275
8	INT-IG180	INT-IG280
8.5	INT-IG185	INT-IG285
9	INT-IG190	INT-IG290



Physical and Barrier Properties

- Free from hole according to EN455-1: AQL 0.65
- Resistance to permeation by chemicals according to EN374-1 and EN16523: Type B (K, M, P, T)
- Glove sizes compliant with EN 455-2. Minimum length: 285mm
- Physical properties compliant with EN 455-2.
- Absence of residual powder (powder free) according to EN455-3.

1. Not made with natural rubber latex.
2. Not formulated with lead.
3. Not formulated with Mercaptobenzothiazole (MBT) accelerator, California Prop 65 listed carcinogen.
4. Not formulated with DiphenylGuanidine (DPG) accelerator.

MODEL 1

Recommended For:

- Cardiac catheterization
- Barium X-rays procedures
- Interventional cardiovascular procedures
- e.g. angioplasty, endovascular stenting
- Intraoperative fluoroscopic procedures
- with the use of C-arm/ mini C-arm

ineoGuard™

	Thickness in mm		
	Cuff	Palm	Finger
ineoGuard™ Model 1	Min. 0.23	Min. 0.24	Min. 0.27
ineoGuard™ Model 2	Min. 0.31	Min. 0.32	Min. 0.37

	Typical Attenuation Properties EN 61331-1:2014			
	60 kVp	80 kVp	100 kVp	120 kVp
ineoGuard™ Model 1	52%	44%	40%	36%
ineoGuard™ Model 2	61%	54%	49%	45%

Narrow Beam Geometry. Sampling according to EN421, average on 4 locations and 2 gloves.

MODEL 2

Recommended For:

- Orthopedic & trauma fluoroscopic-guided procedures e.g. arthroscopy, dynamic hip screw
- Interventional spine procedures
- Intraoperative fluoroscopic procedures
- with the use of C-arm/ mini C-arm



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