

Radiation  
Protection  
Gloves

**KIRAN\***



0%  
LEAD  
100%  
SAFE

# 360-Degree Lead-Free Protection

We at Kiran have spent **more than three decades** making human life safer, healthier, and brighter, manufacturing some of the **world's best image enhancement and radiation protection products**. This we have achieved with a commitment to innovation and quality.

Medical institutions in 160 countries around the world rely on Kiran for superior quality and reliable service. **After 15 years of research and innovation**, we have also established ourselves as radiation protection experts, exclusively designing apparel for intervention radiological and cardiological procedures, surgery, CT scans, and general radiology.

The hands usually find themselves exposed to scattered radiation and under a direct beam during surgical procedures. Our latest innovation is an unmatched range of **sterile lead-free and disposable radiation protection gloves** that provide the highest possible protection and are easy to dispose off in an eco-friendly manner.





# Protection For Your Hands

Kiran gloves have been designed keeping in mind the unique needs of surgeons , nurses, and operating room technicians.

Kiran Gloves are available in various thicknesses. Different gloves can be used depending on user preference for protection vs sensitivity.

Max	Thin	Ultrathin
For high degree of protection with acceptable level of sensitivity.	For superior sensitivity with minimum compromise on protection.	For extra-ordinary sensitivity with an acceptable level of protection.

Each Kiran glove is...

- ★ Lead-free and easy to dispose
- ★ For single use
- ★ Flexible for comfort and ease of donning and removal
- ★ Internally coated with hypoallergenic formulation
- ★ 100% sterilized using the latest gamma sterilization equipment

With our gloves, you are assured of...

- ★ Highest possible radiation protection to Highest sensitivity
- ★ Thin material for maximum contact and tactile sensitivity
- ★ Textured surface and good grip
- ★ 100% sterile, powder-free gloves
- ★ Elimination of finger fatigue from the unique design
- ★ Ease of wearing and removal with rolled and beaded cuff

In the medical world, ordinary protection is not enough. That's why you need gloves made by the radiation protection experts. That's why you need Kiran.

Kiran gloves are registered with the US FDA and are CE certified by SGS, U.K. Our gloves comply with the guidelines of EN and ASTM standards. Our quality management systems are assessed and certified as per the guidelines of ISO 9001:2008, ISO13485:2003.



# Quality Assurance

When it comes to protecting your hands from the direct x-ray beam, there is no scope for compromises. That's why you need gloves that provide the maximum possible hand protection discovered yet.

Produced in our state-of-the-art dipping facility , each glove is subjected to rigorous contamination control and is thoroughly tested before being gamma sterilized at an independent facility.

## Quality Parameters

Glove integrity		EN 420/ EN 421		
Water vapor permeability				
Mechanical properties				
Protein Level	<_50 µg/gm	N=3	NA	ASTM D5712, EN 455
Residual Powder	<_2 mg/glove	N=5	NA	ASTM D6124, EN 455
Pin Holes	NA	G-1	1.5	ASTM D5151, EN 455

Lead Equivalence (in mm Pb)		
Max	Thin	Ultrathin
Minimum 0.040 mm Pb	Minimum 0.025 mm Pb	Minimum 0.020 mm Pb

# Specifications

Kiran Radiation Protection Gloves comply with the standards of CE and ASTM

## Radiation Attenuation Data

Attenuation measurement at broad beam according to EN 1331-1 (IEC 61331-1/ASTM-2547-06)

Radiation Beam Energy Level	Skin Dose Reduction		
	Max	Thin	Ultrathin
60 kV	63 %	51 %	41 %
80 kV	53 %	44 %	33 %
100 kV	46 %	39 %	28 %
125 kV	41 %	27 %	21 %
Nominal value for lead equivalence	0.040 mm Pb	0.025 mm Pb	0.020 mm Pb

Settings for lead equivalence: 80 kV, 0.15 mm Cu filter, narrow beam

## Size

Size	Minimum Length (mm/inches)	Palm Width (mm/inches)
6	280/11.0	78/3.1
6 1/2	280/11.0	80/3.1
7	280/11.0	85/3.3
7 1/2	285/11.2	94/3.7
8	285/11.2	100/3.9
8 1/2	290/11.4	107/4.2
9	290/11.4	114/4.5

## Characteristics

Technical Parameters			
	Max	Thin	Ultrathin
Finger tip thickness (mm/mils)	0.35	0.25	0.20
Palm thickness (mm/mils)	0.32	0.24	0.19
Cuff thickness (mm/mils)	0.30	0.24	0.19
Lead equivalence (mm Pb)	0.04	0.025	0.020
Tensile strength (MPa)	Min 14		
Minimum elongation (%)	700		
Color	Khaki		
Material	Natural Latex		
Protective material	Mixture of lead-free elements		
Donning agent	None - powder free		
Azo dyes	None		
Residual powder	< 2 mg/glove		
Protein content	Less than 50 micrograms/gram		
Sterilization	Gamma Sterilization		
Packing	One sterile pair per pouch		
Storage	Store in cool, dry place away from Ozone		

# The Kiran Range

Ask for more information on our other image enhancement accessories and radiation protection products!

## More Radiation Protection Products from Kiran:

Aprons | Shields | Gloves | Eye Protection

## Get In Touch!

We look forward to hearing from you.

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