

PRODUCT DESCRIPTION

Lead is generally the most cost-effective radiation shielding material that protects against the effects of gamma rays and x-rays. The properties of lead shielding which makes it an excellent shielding material is its density, high atomic number, high level of stability, ease of fabrication, high degree of flexibility in application and its availability.

CHARACTERISTICS

Our Lead Sheets are extremely resistant to corrosion from the atmosphere, salt water and most industrial chemicals. Lead Sheets are built into a variety of structures such as walls, doors, window frames and cabinetry to provide the necessary shielding protection. Lead Sheets can be readily manipulated with standard hand tools without the risk of fracture.



COMPLIANCES

- ASTM B29-19 - BS EN 12588:2006

SIZES

- Ø 5 to 50mm

SPECIFICATIONS	
Standard Size	1 x 2 m *
Sheet Thickness	2mm, 2.5mm
Weight	22.68 Kg/m ² , 28.35 Kg/m ²
Standards	ASTM B-29, BS EN 12588:2006
Fire Resistance	Melts at 327.4°C

* Other sizes & thicknesses can be made upon request.

CHEMICAL COMPOSITION	
Silver	0.0009% max
Copper	0.03/0.05% max
Anitmony	0.005% max
Zink	0.001% max
Bismuth	0.005% max
Other Elements	0.02% max
Lead	Balance

PHYSICAL DETAILS	
Atomic Weight	207.2
Atomic Number	82
Density	11.34g/cm
Ca-Efficient of linear Expersion	0.0000293 per c
Thermal Conductivity	34.76 wmc
Melting Point	327.4

USAGE

Lead sheets are offered for many applications that include:

- Radiation shielding
- Laboratories
- Hospitals
- Dental offices and veterinary clinics
- Construction
- Roofing, flashing and waterproofing
- Corrosion protection
- Acid storage and handling
- Autoclaves
- Precipitators
- Movable Lead screens
- Sound barriers and soundproofing
- Nuclear energy shielding
- Tank lining
- Vibration absorbers

