



## **RADISHIELD (Silicone version)**

### **PRODUCT DATA SHEET**

Radishield (Silicone version) is a patented totally encapsulated shielding system for use in the nuclear, defence and NDT industries.

Available in standard or custom sizes and moulded shapes, Radishield provides a method of radiation protection for many different shielding situations.

### **FEATURES**

- Flexible – can be bent into awkward shaped areas
- Low in chlorine, fluorine and sulphur for use in contact with stainless steel.
- Easily cleaned means Radishield can be easily reused.
- Encased and hermetically sealed means there are no sharp edges.
- Completed protection is guaranteed by the fact the shielding material cannot slip to the bottom as with conventional PVC bags
- Resistant to high temperatures
- Available in bespoke moulded shapes

### **PRODUCT DATA: (TYPICAL)**

SIZE (Other sizes / profiles / thicknesses to order)	305 x 915 x 9.5 mm
WEIGHT	10.8 kg (approx)
TEMPERATURE RANGE	-85 to 200 °C



## **SHIELDING CHARACTERISTICS**

### **(Typical values)**

Attenuation	Cobalt 60 1.25 MeV	Caesium137 0.662 MeV	Iridium192 0.38 MeV
Standard sheet	20 % (3.3 mm Pb)	31 % (3.3 mm Pb)	50 % (3.3 mm Pb)
Pipewrap 20mm thick	37 % (6.4 mm Pb)	55 % (5.5 mm Pb)	72 % (5.5 mm Pb)
Pipewrap 40mm thick	60 % (10.5 mm Pb)	80 % (8.0 mm Pb)	83 % (8.0 mm Pb)

## **CHEMICAL CONTENT**

### **(Outer laminate)**

	Chlorine	Fluorine	Sulphur
mg/kg	24.0	67.0	73.0

(Pipewrap formula contains slightly less Lead than sheet formula)

## **ORDERING INFORMATION:**

### **Article No.**

11-00070 Radishield Silicone 305 x 915 x 9.5mm (Other sizes to order)

Disclaimer: All information on this data sheet is based on laboratory testing and is not intended for design purposes. IT-Service makes no representations or warranties of any kind concerning this data.