

# RAY-BAR LEAD FREE GAMMA SHIELDING PUTTY

## TECHNICAL DATA SHEET



**ALL SHIELDING REQUIREMENTS MUST BE CALCULATED AND SPECIFIED BY THE CUSTOMERS PROJECT QUALIFIED RADIATION PHYSICIST EXPERT AS DEFINED BY NCRP / ICRP .**

A relatively soft, malleable, very pliable and moldable shielding clay-like high density putty for supplemental shielding of high energy x-ray gamma photons or thermal neutron radiation for filling voids or gaps around various penetrations in concrete walls in vaults, hot cells, linear accelerators or other high radiation or radioactive isotope environment containment. Beneficial in reducing potential scatter or secondary radiation streaming around penetrations.

Ray-Bar Lead Free Gamma Shielding Putty is available in 10 pound sealed can containers.

**\* Not for use in low or medium energy medical diagnostic imaging radiation shielding.**

### **RAY-BAR TYPE 1-Fe: LEAD FREE GAMMA PUTTY (IRON LOADED)**

#### **RADIATION RESISTANCE SHIELDING ATTENUATION:**

- **ACCUMULATED GAMMA RADIATION EXPOSURE LIMIT: 5.0 X 10<sup>8</sup> RAD**
- **ACCUMULATED NEUTRON RADIATION EXPOSURE LIMIT: 2.5 X 10<sup>17</sup> N/CM<sup>2</sup>**
- **DENSITY: 2.5 GRAM/CM<sup>3</sup> (150 POUNDS. / CUBIC FOOT)**

### **RAY-BAR TYPE 2-Bi: LEAD FREE GAMMA PUTTY (BISMUTH LOADED)**

#### **RADIATION RESISTANCE SHIELDING ATTENUATION:**

- **ACCUMULATED GAMMA RADIATION EXPOSURE LIMIT: 5.0 X 10<sup>8</sup> RAD**
- **ACCUMULATED NEUTRON RADIATION EXPOSURE LIMIT: 2.5 X 10<sup>17</sup> N/CM<sup>2</sup>**
- **DENSITY: 3.8 GRAM/CM<sup>3</sup> (238 POUNDS. / CUBIC FOOT)**

## **RAY-BAR ENGINEERING CORPORATION**

• RADIATION • FIRE • BALLISTICS • BLAST •

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" WHEN PROTECTION IS REQUIRED, THERE IS NO SUBSTITUTE FOR SKILL AND EXPERIENCE"

**WWW.RAYBAR.COM**