Attributes of Shield Material

1.) Good moderating material

2.) Good neutron absorber

3.) High density to attenuate gamma rays

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Possible Shield materials

A.) Amalgums

B.) Cements & concretes with special aggregates

C.) Ceramics and cermets

D.) Glasses and fused salts

E.) Metal ores

F.) Metal alloys and sintered powers

G.) Organics such as plastics, metal esters, metal loaded resins, elastomers, and silicones

H.) Silica and other gels preciptated from B loaded solutions