Fuel Must Be Protected From the Coolant and the Coolant Must Be Protected From the Fuel

University of Wisconsin

Attributes of Cladding

1.) Adequate σ_y at high T & during irradiation

2.) Resist corrosion

3.) Dimensionally stable

4.) Predictable Mechanical Properties

5.) High thermal conductivity

6.) Good neutronic properties

7.) Easy to fabricate and install

8.) Easy to reprocess

9.) Low Cost

10.) Low demand on scarce resources