

organically-modified ceramic

Also contains definition of: organomodified ceramic

Chemically bonded hybrid material which is a crosslinked inorganic–organic polymer.

Notes:

1. Organically modified ceramics are hybrid polymers with inorganic and organic moieties linked by stable covalent bonds and based on organically modified alkoxy silanes, functionalized organic polymers or both.
2. Though it is a commonly used acronym for organically modified ceramic, 'Ormocer' is a registered trademark and as such its terminological use is strongly discouraged.

Source:

PAC, 2007, 79, 1801 (*Definitions of terms relating to the structure and processing of sols, gels, networks, and inorganic-organic hybrid materials (IUPAC Recommendations 2007)*) on page 1816