

IMPROVED AEROGEL COMPOSITIONS AND METHODS

ABSTRACT

The present disclosure provides an aerogel composition which is intrinsically hydrophobic without surface modification by a hydrophobizing agent, is durable and easy to handle, which has favorable performance in aqueous environments, and which also has favorable combustion and self-heating properties. Also provided is a method of preparing an aerogel composition which is intrinsically hydrophobic without surface modification by a hydrophobizing agent, is durable and easy to handle, which has favorable performance in aqueous environments, and which has favorable combustion and self-heating properties.

[Figure 1]