Macromolecules insulation

This study fabricated a composite aerogel (BcIGA) with both efficient adsorption and thermal insulation properties by combining bacterial cellulose (BC) with industrial-grade graphene ...

In rotationally extruded fittings, high-density polyethylene (HDPE) pipes prepared using conventional processing methods often suffer from poor pressure resistance and low toughness. This study introduces an innovative rotary ...

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Dielectric composites play a crucial role in meeting the growing demand for high-energy-density capacitors that can operate effectively in challenging environments. These applications include aerospace power management, ...

32 Zhou, Y.; Zhang, S.; Zheng, F.; Lu, Q. Intrinsically black polyimide with retained insulation and thermal properties: a black anthraquinone derivative capable of linear copolymerization. ...

?International Journal of Biological Macromolecules?????????????????RNA?????????????? ????:2024?10?11? 17:37 ?? ...

The present study reports the successful fabrication of a carrageenan-based foam with multilevel structures for efficient hazardous chemical absorption, super insulation and fire protection. By ...

While both processes build macromolecules from simpler units: Chain-growth involves rapid sequential addition at active sites leading to quick formation of high molecular weight chains. ...

Macromolecules???? ?Macromolecules?????AMER CHEMICAL SOC????????????,?????1968?,??Biweekly,???????????SCI ...

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Polymer-based dielectric films are favored and widely used in important fields such as aerospace, energy vehicles, medical equipment, wind power, and photovoltaic energy systems because of ...

Carbon polymers are macromolecules, or very large molecules, primarily built from long chains of carbon

atoms. These carbon chains often link with other elements like hydrogen, oxygen, and ...

??????????????????????,??????????? ????????. ??????????. IEEE Electrical Insulation Magazine. ISSN: 0883 ...

Spandex 1) Spandex ??????????? elastic ???????????? macromolecules ??? 85% ??? urethane ????? copolymerized ...

Lipid, any of a diverse group of organic compounds including fats, oils, hormones, and certain components of membranes that are grouped together because they do not interact appreciably with water.

Ante la creciente demanda de recursos y energía en la actualidad, se buscan materiales que tengan las mismas propiedades que los convencionales o, incluso, mejores con menos ...

These foams exhibit excellent compression resilience, abrasion resistance, and heat insulation, making them ideal for applications in sports, building insulation, and thermal camouflage. o The ...

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Polymerization is a fundamental chemical process that plays a pivotal role in the manufacturing of plastics, which are integral to countless products and industries worldwide. This article ...

In 1975, a paper was published in Macromolecules detailing the Fourier Transformation Infrared studies of flexible poly (vinyl chloride) (PVC) carried out by D. L. Tabb and J. L. Koenig ...

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