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عنوان مقاله:

An introduction to polymer nanocomposites with an emphasis on the water jet cutting process with abrasive particles

محل انتشار:

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خلاصه مقاله:

Composite is defined as follows: It refers to a material that consists of two phases: matrix and reinforcement. Thematrix surrounds the amplifier and keeps it in its relative position. The reinforcement improves the mechanical properties of the structure. In general, the reinforcement can be in the form of short or long and continuousfibers. For example, flower straw is one of the simplest and most primitive composites. American Metallurgical Association definition: a macroscopic combination of two or more separate materials with a specific interfacebetween them is called a composite. Classification of engineering composites in terms of background phase:composites With ceramic matrix (CMC), polymer matrix composites (PMC), metal matrix composites (MMC) isalso the most important advantage of composite materials that according to the needs, their properties can becontrolled. In general, composite materials have the following advantages: The purpose of this article is .toinvestigate polymer nanocomposites with an emphasis on the water jet cutting process with abrasive particles

کلمات کلیدی:

polymer composites, cutting process, water jet, abrasive particles

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