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Polyurethanes In Biomedical Applications

Polyurethanes are the most commonly used materials in the production of blood contacting devices such as heart valves or artificial veins and arteries. They comprise a large family of materials with the only common characteristic of the presence of urethane linkages along the large molecular chains.

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Polyurethane: A Versatile Scaffold for Biomedical Applications

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Polyurethanes in Biomedical Applications | Request PDF Various PURs including PEURs, poly(ester urethanes), PCURs, PSURs, surface-modified PURs, and composite PURs have been developed for a variety of biomedical applications. Many research efforts are continued in the development of PURs for specific drug delivery and tissue regeneration application with a particular emphasis on biocompatibility and biodegradability.

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