

(S7) Abstract: Provided is a method for polymerizing a polymer precursor, comprising: contacting a polymer precursor with a lithium carborane catalyst and an initiator under polymerizing conditions. A reaction solvent may be used, but is not necessary. Also provided is a method of preparing lithium carborane polymers, comprising: contacting a lithium carborane polymer precursor having a terminal alkenyl or alkynyl group with an initiator and an optional reaction solvent under polymerizing conditions. Functionalized carborane anions are also provided.



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