

Anionic Tin Oligomers and Polymers

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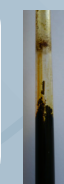
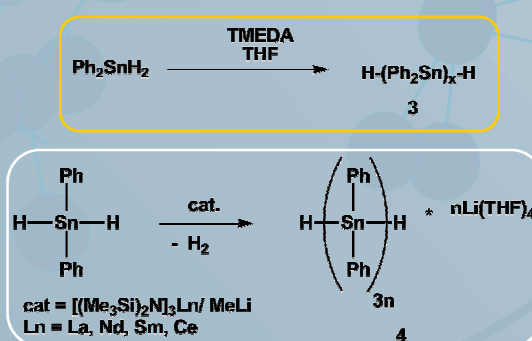
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Tin Polymer (C) and Anionic Tin Polymer (D)

Dehydrogenative coupling of diarylstannanes with bases like TMEDA lead to insoluble products like **3** which makes a characterisation difficult.

New catalysts based on lanthanides in the presence of organolithium compounds gave a new class of anionic tin polymer **4** characterizable by X-Ray diffraction and solid state NMR.



product	$\delta(\text{iso})$ [ppm]
3	- 197
4	- 143

Acknowledgement

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References

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- [2] K. Schittelkopf, R.C. Fischer, F.Uhlig, unpublished results