

Title: New NMR Technologies Developed Recently for Polyolefin Characterization

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Reference 11:	
Reference 12:	

Images:

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Abstract:

NMR is a primary technique for characterizing polyolefins. A lot of information could be obtained with previously developed NMR techniques. [1-3] Here we present some newly developed NMR techniques, analyzing microgram amount of sample and quickly detecting the presence of LDPE in blends, [4] the development of multinuclear 10 mm cryoprobe and new ¹H decoupling sequence for ¹³C NMR, [5-6] long-chain branch detection and quantification in ethylene-hexene LLDPE, [7-8] removing baseline issue on highly sensitive cryoprobe/analyzing polyolefin blend with new NMR spin echo pulse sequences.[9]