

MATCHING THE CHALLENGING REQUIREMENTS FOR MAO ACTIVATORS USED IN SINGLE SITE CATALYSTS FOR THE POLYOLEFIN PRODUCTION

Thorsten Holtrichter-Rößmann^a, Heiko Niedermeyer^a, Uwe Schneider^a, Ulrich Stewen^b

^a Chemtura Organometallics GmbH, a LANXESS company, BU Advanced Industrial Intermediates, Application Technology Service, Ernst Schering Straße 14, 59192 Bergkamen

^b Chemtura Europe GmbH, a LANXESS Company, BU Advanced Industrial Intermediates, Bahnhofplatz 65, 8500 Frauenfeld, Switzerland

LANXESS's Organometallic business is a pioneer in co-catalyst and activator systems, with one of the widest commercialized product ranges in the industry and world scale production capability for more than 55 years. The co-catalysts components for the polymerization systems have been chemically perfected to the individual needs of the Polyolefin industries.

We will describe the path of innovation with our latest AXION® MAO activator technology now fully implemented and serving the fast growing Single Site catalysts market.

Besides the AXION® MAO activator technology new innovative applications for catalysts based on metal alkyls are emerging. Selective modifications of established materials open the way to access new materials and applications. LANXESS develops and commercializes these new and innovative products to broaden the toolbox for industrial chemists and developers searching for new applications and processes.