

13.00	
	»Ontvangst en Registratie
13.30	
	»Opening door voorzitter VKRT
13.40	A new modified terpene tread enhancement additive: evaluation in a tread formulation »Yvette Verdonk; Kraton Corporation
Lecture	<p>Kraton Corporation, formerly Arizona Chemical, is a long term supplier to Tire and Rubber industry, supplying products which improve tire performance, enhance the processing of tire compounds & rubber chemicals. As the global leader in pine-based bio-refining with over 80 years? experience, refines Crude Tall Oil (CTO), Crude Sulphate Turpentine (CST) & Limonene, we have served the rubber industry for over 50 years & tire manufacturers for over 25 years.</p> <p>Since 2000, Kraton focused on product development & application of Tread Enhancement Additives for wet grip enhancement & supplies the majority of leading tire manufacturers with consistent quality, high performance products.</p> <p>In this presentation, we would like to introduce the latest development in our portfolio, SYLVATRAXX? 5216, a modified terpene with high softening point. This resin modifies the visco-elastic properties of the compound to allow the compounders to reach new level of performance.</p> <p>In addition, we would like to present how our terpene resins are improving the tack performance in a typical tread compound.</p>
14.20	Development of advanced polymers to meet future (tire) compound requirements »Luc ter Bogt; Arlanxeo
Lecture	<p>After a short company presentation, the current product portfolio of the business unit Tire & Specialty Rubber (TSR) will be shown. As the globally largest synthetic rubber manufacturer, ARLANXEO TSR produces (halo)butyl, Co-, Li- and NdBR, emulsion SBR and solution SBR for many applications. In more detail the presentation will focus on the newest developments within the different product lines. Two clear directions are to use extremely linear polymers to reduce compound hysteresis and the use of polymers with functionality towards fillers. Both directions go hand in hand with processing challenges, for which ARLANXEO offers solutions.</p>
15.00	Low Viscosity Technology Liquid Silicone Rubber »Bruno Antonio Cuocci; Dow Performance Silicones

Lecture	<p>Silicone rubber is very well known for high and low temperature resistance. It is the material of choice for food contact, baby care and medical applications thanks to its chemical inertia. High Temperature Vulcanizing silicone rubber grades (HTV) are available mainly for extrusion, molding, calendaring or coating processing methods.</p> <p>Injection molding can be performed both with high consistency compounds as well as with Liquid Silicone Rubber (LSR) grades specifically designed for Liquid Injection Molding (LIM). These materials are usually delivered as two component kit (1:1 A+B) that typically show a viscosity around 400 Pa·s.</p> <p>The key advantages of the Liquid Injection Molding process are short cycle times, a fully automated process as well as a high output rate with no waste. This process requires specific machines and high technology molds equipped with cold runners.</p> <p>Dow has recently introduced a range of LSR grades whose viscosity is 200 Pa·s or below. This new low viscosity LSR family brings a number of advantages in Liquid Injection Molding process, in particular related to process consistency, parts quality and cost-in-use.</p>
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15.40	
	»Pauze

16.00	<p>Polyurethanes vs. Rubber</p> <p>»Mr. A. Brouwers; Polarttech</p>
Lecture	<p>With a background of 30 years in plastics where of 25 years dedicated to Polyurethanes, we will first give a general introduction on Polyurethanes (PU), after which we will tell more about the difference in production methods of Polyurethanes vs Rubber.</p> <p>Further we will go deeper into the chemical resistance of PU in comparison.</p> <p>The last part of the presentation we will go deeper into the applications where we use PU as replacement of rubbers.</p> <p>So:</p> <ul style="list-style-type: none"> - Introduction Polyurethanes - Production Method vs. Rubber Production - Chemical Resistance Polyurethanes vs. Rubber - When we use Polyurethanes as Replacement of rubber - Question round

16.40	<p>Dai EI - New Developments</p> <p>»Kay Varnhorn (presenter), Dr. Uwe Seebold (Author); Daikin Chemical</p>
Lecture	<p>Daikin Elastomers (Dai EI) complemented their product line.</p> <p>New and advanced fluorine elastomers (FKM) are requested, in particular from the automotive industry, to meet future requirements. This presentation give a survey of Daikin's recent developments in this field. The focus of this presentation is on new base and amine resistant peroxide curable FKM grades. In addition, a new generation of low fluorine peroxide curable terpolymers with a good balance of low temperature and chemical resistance properties, will presented.</p> <p>Finally, a brief overview on the current FFKM portfolio will complete the presentation.</p>

17.20	
	»Rondleiding door de brouwerij

18.00	
	»Aperatief met aansluitend diner

