

第三届 α -烯烃与PAO基础油论坛

3rd LAO & PAO Market & Tech Forum

太原
10.29-30
Taiyuan

2019



主办方
Organizer



扫一扫加微信



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会议背景

线性 α -烯烃(LAO)通常是指C4及以上的高碳直链烯烃，包括丁烯-1、己烯-1、辛烯-1、癸烯-1、十二(碳)烯-1等产品。主要通过乙烯聚合，费托合成，混合C4分离等方式生产。LAO是重要的有机化工原料和中间体，可以用作高性能聚烯烃(LLDPE、HDPE)和聚烯烃弹性体(POE)的共聚单体，及高端润滑油基础油(聚 α -烯烃，PAO)、增塑剂、表面活性剂等精细化学品的原料。

截至2018年底，全球LAO（不含混合C4分离产品）总产能约为470万吨/年。前四大LAO生厂商为Shell、Chevron Phillips、Sasol和INEOS，合计产能占全球总产能的78%，中国LAO产能占比不到2%。在优秀的经济效益和市场需求的刺激之下，石化巨头Shell、INEOS等纷纷加码LAO与PAO产业投资，全球最大的PAO生产商ExxonMobil宣布将进军LAO产业，中国的石化和煤化工企业也在积极布局。

在政策支持下，中国LAO行业将进入高速发展阶段。《产业结构调整指导目录(2019年本，征求意见稿)》与《鼓励外商投资产业目录(2019年版)》都将POE、茂金属聚乙烯等特种聚烯烃，高碳 α -烯烃等关键原料的开发与生产列为鼓励类。未来，中国新型城镇化和消费升级将拉动石化产品需求持续增长，尤其对于高端产品的需求增速将超过传统石化产品。

第三届 α -烯烃与PAO基础油论坛2019将于**10月29-30日**在**山西太原**召开。会议将探讨LAO & PAO市场发展机遇；LAO组分切割技术进展与方案；LAO生产技术进展与工业化实践；PAO关键技术开发与工业化实践；LAO & PAO经营现状与未来产业布局；聚烯烃高端化发展与LAO应用趋势；LAO制取高碳醇工艺技术与产品市场等。会议还将安排**参观考察潞安集团，全球首例煤基LAO制mPAO项目**。

会议主题

1. 全球及中国LAO市场现状与趋势
2. 煤基费托合成生产LAO技术与产品利用
3. 乙烯聚合制备LAO技术进展与工业化实践
4. LAO组分切割技术难点与解决方案
5. 汽车与工业发展对润滑油性能需求与PAO市场机遇
6. 茂金属聚 α -烯烃(mPAO)技术开发与工业化实践
7. 聚烯烃高端化发展与LAO市场机遇
8. 聚烯烃弹性体(POE)技术进展与产品市场
9. LAO合成高碳醇工艺技术进展与产品市场分析
10. 创新LAO生产技术与精细化应用前景
11. LAO & PAO项目经营现状与未来产业布局
12. 工业参观与商务考察

日程安排

10月28日	17:00-20:00	报到注册
10月29日	08:00-09:00	会议签到
	09:00-12:00	演讲报告
	12:00-14:00	自助午餐与交流
	14:00-18:00	演讲报告
	18:00-20:00	招待晚宴
10月30日	09:00-16:00	商务考察

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Background

Linear alpha-olefins (LAO) generally refer to higher carbon linear olefins of C4 and above, including butene-1, hexene-1, octene-1, decene-1, etc. It is mainly produced by, mixed C4 separation, ethylene selective polymerization process, ethylene oligomerization process, Fischer-Tropsch synthesis method, etc. LAO can be used as comonomer for the production of high performance polyethylene (LLDPE, HDPE) and polyolefin elastomer (POE), also important intermediate for high-end lubricant base oil (PAO), plasticizers, and surfactants production.

As of the end of 2018, the global LAO capacity (exclude butene-1 separated from C4) was 4.7Mt/a. The top four LAO producers account for 78% of total capacity, while China accounts for less than 2%. Stimulated by excellent economic benefits and market demand, petrochemical giants, including SHELL, INEOS, etc. have increased their investment in LAO & PAO industry. As the world's largest PAO producer, ExxonMobil announced will produce LAO. China's petrochemical and coal chemical companies are also actively deploying LAO & PAO industry.

With the support of the policy, China's LAO industry will enter a stage of rapid development. The "Industrial Structure Adjustment Guidance Catalogue (2019, Draft)" and the "Encourage Foreign Investment Industrial Catalogue (2019)" listed the development and production of specialty polyolefins (POE, mPE), and high-carbon alpha olefins as encouragement. In the future, China's new urbanization and consumption upgrade will drive the demand for petrochemical products to continue growing, especially for high-end products.

3rd LAO & PAO Market & Tech Forum 2019 will be held on **Oct. 29-30** in **Shanxi, China**. The conference will discuss the LAO & PAO market opportunities; LAO separation technology; LAO & PAO production technology development and industrialization; LAO & PAO projects management and future layout; Polyolefin high-end development; LAO to produce high-carbon alcohol technology development and product market prospects. The conference will also arrange **visit to Lu'an Group ---- world's first coal-based LAO to mPAO project.**

Topics

1. Global LAO market Status and trends
2. F-T synthesis of LAO technology and product utilization
3. Ethylene polymerization to LAO technology progress and industrialization
4. LAO components separation technology difficulties and solutions
5. Automotive & industrial development and PAO market opportunities
6. Metallocene polyalphaolefin (mPAO) technology progress and industrialization
7. Polyolefin high-end development and LAO market opportunities
8. Polyolefin elastomer (POE) technology development and market prospects
9. LAO synthesis of high carbon alcohol technology progress and market
10. Innovative LAO production technology and refined application prospects
11. LAO & PAO project management status and industrial layout
12. Industrial visits

Preliminary Agenda

- Oct. 28** 17:00-20:00 Pre-conference Registration
- Oct. 29** 08:00-09:00 Pre-conference Registration
09:00-12:00 Speech
12:00-14:00 Networking Lunch
14:00-18:00 Speech
18:00-20:00 Banquet
- Oct. 30** 09:00-16:00 Industrial Visiting