

2020

己二腈、己内酰胺与尼龙产业链论坛

ADN, CPL & Polyamide Value Chain Forum

7月30-31日 郑州 Zhengzhou



主办 Organizer



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会议背景

聚酰胺(PA)俗称尼龙，是应用广泛的高分子材料，品种繁多，其中PA6和PA66产量最大。2019年底中国PA6产能已突破500万吨/年，PA66产能约50万吨/年。未来，中国尼龙产业发展潜力巨大。

目前，中国PA66生产受到关键原料己二腈(ADN)生产技术的严重制约。国家出台了政策鼓励和推动己二腈国产化技术开发进程。2019年2月，英威达在上海启动40万吨己二腈生产基地的设计，计划于2022年投产。平煤神马、天辰齐翔、阳煤集团等多家企业和科研单位探索己二腈技术研发和工业化，并取得了重大进展。

中国PA6上下游产业链布局日趋完整，关键原料己内酰胺发展相对成熟。自主知识产权氨肟法技术的推广使得己内酰胺快速发展。2019年底总产能约400万吨/年。未来，中国己内酰胺产业仍将快速发展，新项目投资密集，预计到2025年总产能将接近1000万吨/年。同时，随着绿色环保和可持续发展理念的日益受到重视，生物基尼龙成为热点方向，尼龙5X、尼龙1212原料生产、聚合技术、产品应用的开发与产业化的步伐加快。

己二腈、己内酰胺与尼龙产业链论坛2020于7月30-31日在郑州召开。会议将探讨尼龙及关键原料产业现状与未来趋势，己二腈新技术开发与工业化，尼龙56等生物基尼龙技术，己内酰胺技术与项目投资，尼龙下游高价值应用与前景等。会议将安排工业参观考察。

会议主题

1. 尼龙产业链政策解析与市场展望
2. 关键原料(己内酰胺、己二腈、己二胺、己二酸等)市场供需
3. PA66关键原料己二腈的技术突破与产业化进展
4. 己二腈工艺路线对比：丙烯腈法、丁二烯法、己二酸法
5. 关键原料氢氰酸大规模生产技术
6. 己内酰胺项目投资与工程实践
7. PA6关键原料与技术：环己酮、双氧水、己内酰胺
8. 己二胺与己二酸技术与市场
9. 生物基尼龙产业化与应用开发
10. 尼龙产品改性技术与应用发展趋势
11. 绿色生产与安全环保
12. 工业参观与商务考察

日程安排

7月29日	17:00-20:00	会前注册
7月30日	08:00-09:00	会前注册
	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
7月31日	09:00-15:00	工业参观

ADN, CPL & Polyamide Value Chain Forum 2020

July.30-31 2020

Zhengzhou China

Background

Polyamide (PA), commonly known as nylon, is a widely used polymer with a wide variety, among which PA6 and PA66 have the largest output. At the end of 2019, PA6 capacity in China exceeded 5Mt/a, while the number for PA66 was about 0.5Mt/a. In the future, the development potential of nylon industry in China will be huge.

Currently, PA66 production in China is seriously restricted by its key raw material of adiponitrile (ADN) technology. Therefore, China has issued several policies to encourage and promote the development progress of domestic ADN technologies. In Feb 2019, INVISTA launched the design of a 0.4Mt/a ADN production base in Shanghai, which is scheduled to start production in 2022. Besides, several domestic enterprises and scientific research institutions, i.e. Pingmei Shenma, Tianchen Qixiang, Yangquan Coal, etc., are exploring the R&D and Industrialization of ADN technologies, and have made significant progress.

The layout of China's PA6 value chain is increasingly perfect, and the development of the key feedstock of caprolactam (CPL) is relatively mature. The promotion of ammomine process with independent intellectual property rights helps rapid development of CPL. At the end of 2019, CPL capacity in China was about 4Mt/a. In the future, China's CPL industry will continue a fast growing and new projects will be invested intensively, leading to a predicted total capacity of about 10Mt/a by 2025. Meanwhile, with the increasing attention paid to green environmental protection & sustainable development, bio-nylon has become a hot topic. The development & industrialization of raw material production, polymerization technology and product application of PA5X and PA1212 are accelerated.

ADN, CPL & Polyamide Value Chain Forum 2020 will be organized by ASIACHEM **In July 30-31 in Zhengzhou**. The upcoming conference will discuss current status & future trend of PA & key feedstock industry, development & industrialization of ADN new technologies, bio-nylon (i.e. PA56) technologies, CPL technology & projects investment, high-value applications and prospect of nylon downstream. Besides, the industrial visiting will be arranged.

Topics

1. Policy analysis & market prospect of PA value chain
2. Supply-demand of PA key feedstock (CPL, ADN, Hexanediamine, adipic acid, etc.)
3. ADN technological breakthrough & industrialization progress
4. Comparison of ADN processes: electrolysis-dimerization of acrylonitrile, 1,3-butadiene hydrocyanation, catalytic ammoniation of adipic acid
5. Hydrocyanic acid large scale production technologies
6. CPL projects investment & engineering practice
7. PA6 key feedstock & technologies: Cyclohexanone, H₂O₂, CPL
8. Hexanediamine & adipic acid technologies & market
9. Bio-nylon industrialization & application development
10. Nylon modification technologies & application development trend
11. Green production, safety & environmental protection
12. Industrial or business visiting

Agenda Outline

July.29	17:00-20:00	Pre-conference Registration
July.30	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
July.31	09:00-16:00	Industrial Visiting