

An Introduction to Polyolefins

Industry fundamentals and market dynamics

13-15 July 2021 | Start time 8:30AM London / 3:30PM Singapore

Module #1:

8.30 – 8:40	Welcome and Introduction
8.40 – 9.25	Understanding Petrochemicals and Polymers <ul style="list-style-type: none"> • What are petrochemicals and where do they come from? • Steam cracking: a process in making petrochemical building blocks • Polymer overview: the value chain and key feedstocks
9.25 – 9.40	Break
9.40 – 10.40	Examining oil and gas and its relationship with polyolefins <ul style="list-style-type: none"> • Where petrochemicals are produced in refineries • Production, consumption and reserves • Types of natural gas and distribution: NGL, LPG, LNG • The US shale gas revolution: What it means for petchems • Coal-to-chemicals value chain: The rise of China
10.40 – 11.30	Pricing and Markets <ul style="list-style-type: none"> • Cost analysis: What are the factors contributing to overall costs of production in a steam cracker-to-polyolefins complex? • Understanding cost curves and margins • Competitiveness across different regions: how margins vary between the US, Europe and Asia

Module #2:

8.30 – 9.30	Polyolefins production process and value chains <ul style="list-style-type: none"> • Basic introduction to PE and PP production routes and processes • Different grades of PE and their end-use applications: LDPE, LLDPE, HDPE • Different grades of PP and their end-use applications: Homo versus co-polymer • An introduction to plastics processing
9.30 – 9.45	Value chain exercise
9.45 – 10:00	Break
10.00 – 11.00	Polyolefins Markets Part I: US and China <ul style="list-style-type: none"> • Overview of global supply and demand • The rise of US PE capacities and implications for Asia • China's increasing PP self-sufficiency



An Introduction to Polyolefins

Industry fundamentals and market dynamics

13-15 July 2021 | Start time 8:30AM London / 3:30PM Singapore

Module #3:

8.30 – 9.15	Polyolefins Markets Part II: Spotlight on the European region
9.15 – 9.30	Break
9.30 – 10.15	Polyolefins Markets Part III: Spotlight on the Asian region
10.15 – 10.30	Summary and conclusion