

3Q22 REVIEW OF THE WORLDWIDE POLYETHYLENE INDUSTRY IN 2022

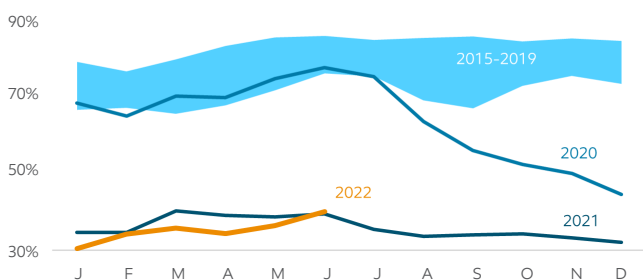
tomorrow's performance today

Improving global logistics and continued volatile feed contribute to dynamic market environment

Global logistics are showing early signs of recovery from record lows. Schedule reliability and shipping costs have improved, though Atlantic Basin ports congestion persists.

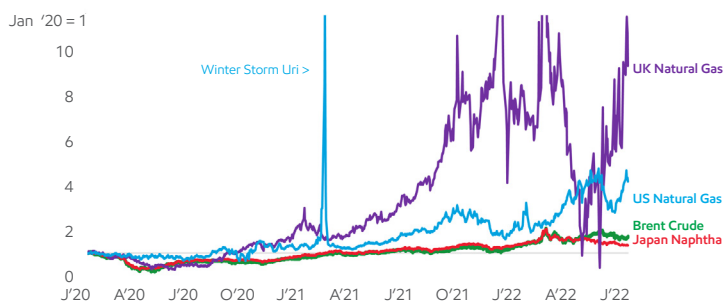
The global energy markets remain undersupplied, keeping costs elevated and unsettled. Weather events and geopolitical uncertainty create additional volatility risk to PE feed costs.

Global schedule reliability showing early signs of improvement



Source: Sea-intelligence
 Schedule reliability measured by % on-time delivery

Key global energy prices elevated and volatile, affecting PE feed costs



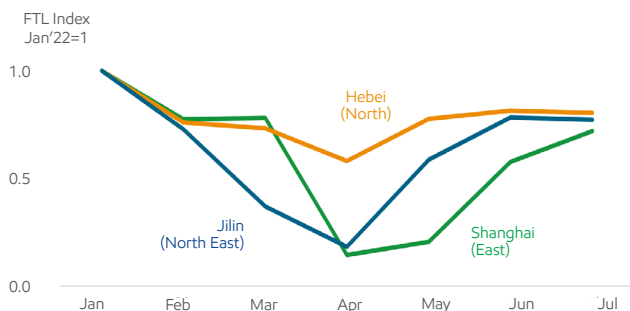
Source: Platts

China poised for macroeconomic recovery following COVID-19 reopening

Logistics in China have rebounded toward 1H22 levels. Congestion in ports has subsided, and overland trucking volumes in the most affected areas are recovering.

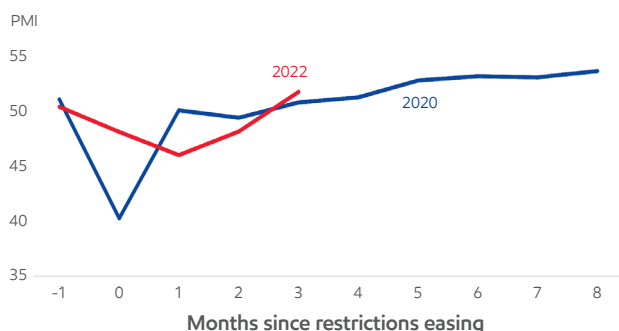
China Purchasing Managers' Index increasing with easing restrictions and government stimulus. The recovery history from the 2020 reopening suggests optimism in the trajectory of demand growth.

China on-land logistics improving with reopenings



Source: G7 Big Data

China manufacturing sentiment improving with reopenings



Source: IHS

ExxonMobil's newly commercialized **Exceed™ S performance PE** now available globally

Exceed S performance PE resins deliver industry leading combinations of stiffness and toughness while being easy to process. Utilizing the company's latest innovations in polymer science, the new PE platform provides opportunities to reduce the complexity of film formulations and designs while improving film performance, conversion efficiency, and packaging durability. Ideal for films used in food, industrial and agricultural applications, Exceed S resins can also help designers do more with less, increase recycled resin content, and design for recyclability.

At the forefront of the stiffness/toughness boundary and offering better melt strength and higher output than current mLLDPE resins, Exceed S PE resins enable film designers and engineers to rethink film design for simpler solutions. Now, LDPE and HDPE can either be eliminated or amounts reduced, depending on the needs of the application.

Significant improvements in durability and toughness have been realized in...

Consumer and institutional packaging, such as liquid-filled coex pillows and solid-filled full-PE laminates



- 12% higher puncture
- 1.7x increase in bag drop survival
- No loss of stiffness



- 41% increase in dart drop
- 5x increase in bag drop survival
- No loss of stiffness

Industrial and agricultural applications, such as heavy duty sacks for resins & fertilizer, silo bags



- 50% reduction in HDPE used
- 70% increase in MD tear
- Outstanding dart and stiffness



- 22% less creep
- 25% increase in MD tear
- 26% increase in needle puncture

3 grades are available for purchase everywhere

Sourced from 7 regional warehouses

	Density g/cm ³	Melt Index dg/min @ 190°C, 2.16kg	Key attributes
Exceed S 9272ML	0.920	0.80	Maximum toughness, high stiffness, easy processing
Exceed S 9243ML	0.926	0.85	Maximum stiffness, high toughness, easy process
Exceed S 9333ML	0.925	2.0	High stiffness, high toughness, exceptionally easy processing

Why ExxonMobil PE? Why today?

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performance
today

What some might view as solutions that will only happen in the future, ExxonMobil PE is making possible today – through our innovative and reliable products, collaborative approach, technology leadership and support, and our unmatched global supply and resources. Learn more about how we're helping our customers create solutions with sustainability benefits. Why wait for tomorrow to advance your business today? Contact your ExxonMobil PE representative and begin experiencing tomorrow's performance today.

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