



Commodity Markets Intelligence

**Consulting & Forecasts** 

- Chemicals -



Welcome to the Argus Polypropylene Outlook – focusing on a 24-month spot market view.

This report will be updated monthly with a focus on the spot trading activity for PP in North America, Europe, and China.

The Outlook is based on inventories, trades, operating rates, price trends, supply/demand outlooks, etc.

These slides are an example of the data that will be updated/reported on a monthly basis in a 25-slide format.

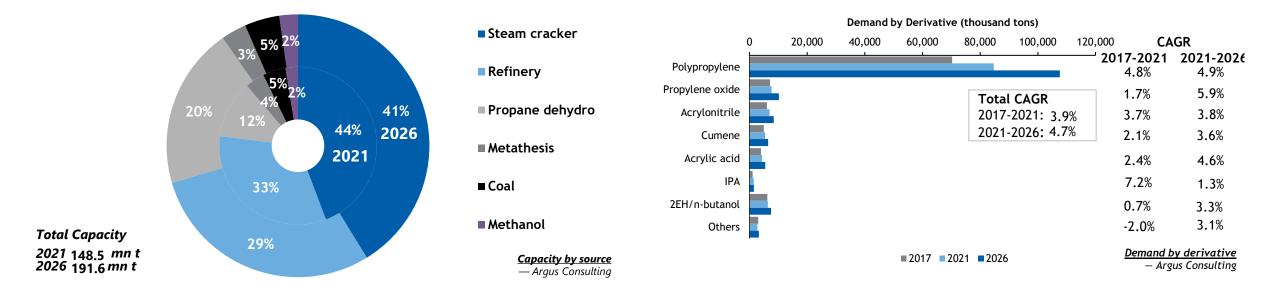
This is a sample of the Argus Polypropylene Outlook report.

The full report and associated datasets are only available to subscribers.

To request a free trial or more information visit view.argusmedia.com/polypropyleneoutlook.



### Global Polypropylene Demand



Monthly Update					
India	Indian Oil Co	The company's board granted 'Stage-1' approval to build the Paradip petrochemical complex. The complex will comprise a cracker unit as well as downstream process units to enable production of petrochemical products including <b>polypropylene</b> (PP), high density polyethylene (HDPE), linear low-density polyethylene (LLDPE) and polyvinyl chloride (PVC), among others			
Canada	Heartland Polymers	Successfully started-up its propane dehydrogenation (PDH) plant, which is now providing on-site propylene monomer feedstock for North America's <i>only</i> integrated, single-site commercial PP production			
Brazil	Brazilian Government	Brazil is increasing the import tax for PP "copo" (propylene copolymer) resin, from 4.4% to 11.2%.			





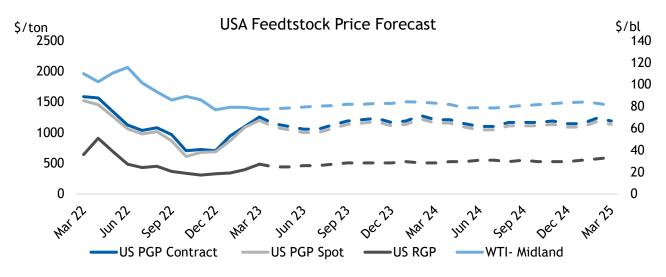
### North America Outlook

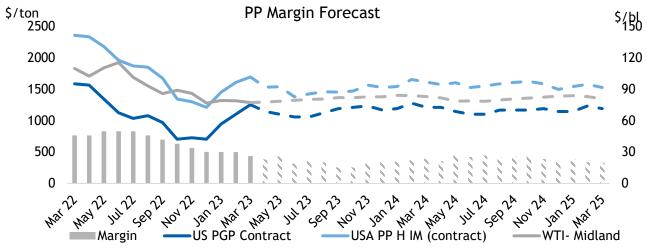
Trading activity is expected to increase in the Asian markets with a focus on the LATAM markets. Imports from Asia to the US are not expected to exceed 10% of the US domestic demand as large converters are set up to handle rail cars of resin and not bags.

Spot prices are expected to follow PGP price movements with little opportunity for margin increases. However, exports will be limited in volume at least through Q2 2023 as producers continue to focus on controlling inventory levels. Inventory levels in the US continue on the rise.

Higher inventory levels may help with the recent plant shutdowns as DOI in Feb increased to 45 days.

Demand in Mexico may be on the increase but imports from Middle Eastern producers are expected to increase as China increases self sufficiency







SENSITIVITY

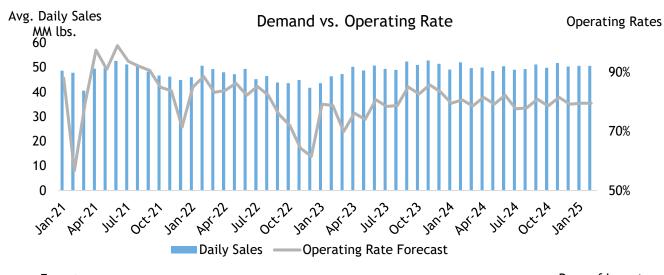
**PRICE** 



### North America Outlook

US and Canada PP plants have been running at reduced rates in March (79%) as producers are avoiding building inventory with the high-priced propylene. No major maintenance issues were heard in the market, and a SUPPLY turnaround at Phillips 66's Bayway, New Jersey, plant is expected to be completed by the end of the month. Spot prime availability remains very limited with producers not offering much volume and buyers not asking for product. Widespec and offgrade volumes were reported with limited activity Demand in March remains very weak, with buyers unwilling to buy any more than needed when they anticipate that prices could come down as early as next month. While DEMAND there remain some economic concerns, particularly with the recent bank failures, the main issue with demand for now appears to be the high prices. However, many buyers are coming to the end of their stocks and will need to replenish supplies soon. SENSITIVITY Propylene supply disruptions will continue to drive US propylene prices. French worker strikes could impact propylene supply as

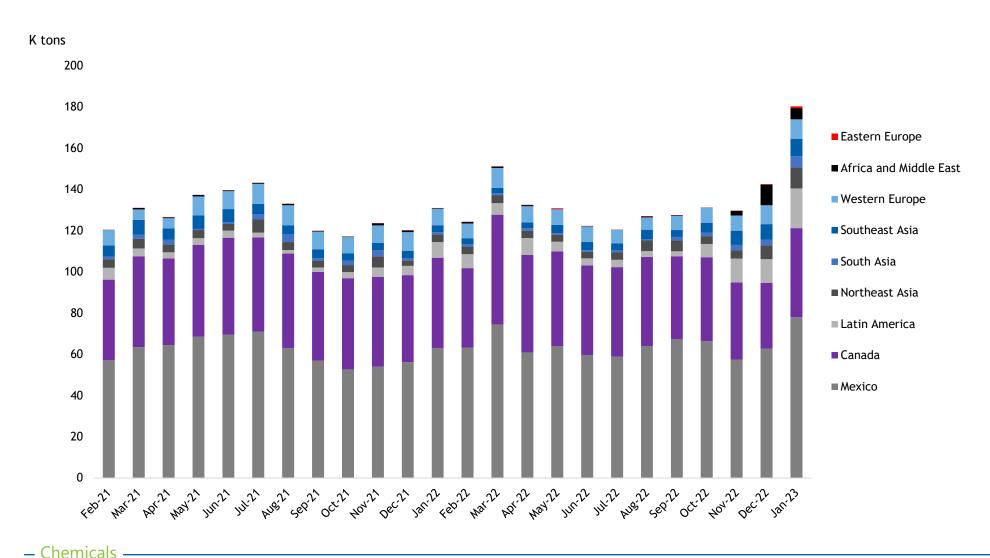
three refineries are shut down







### **US Monthly Exports**



- Jan 2023 exports increased to 180 ktons, well above the 130 kton monthly avg. for 2022
- Jan exports toMexico Increased12% to 78 ktons
- Feb / March exports are expected to decline significantly due to elevated PP prices in the US

- GTT/Argus Editorial



## Western Europe Outlook

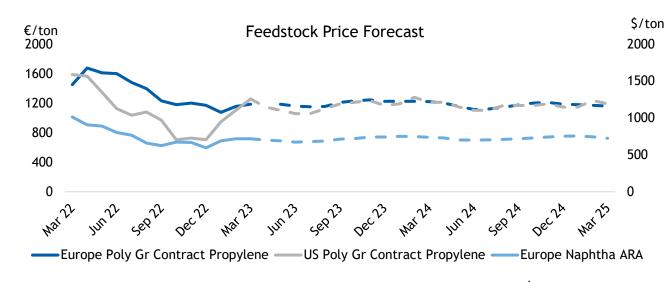
Consumers continue to face a cost-of-living crisis at above-average levels, if not accelerating in March in some countries. In many cases, inventories of finished products also remain elevated as consumer spending cuts impact retail sales, keeping converters cautious and impacting demand for polymers as downstream operating rates stay subdued. But despite the destocking efforts seen this year, some converters are still facing high polymer inventories, which could also explain weaker than expected demand in the coming months

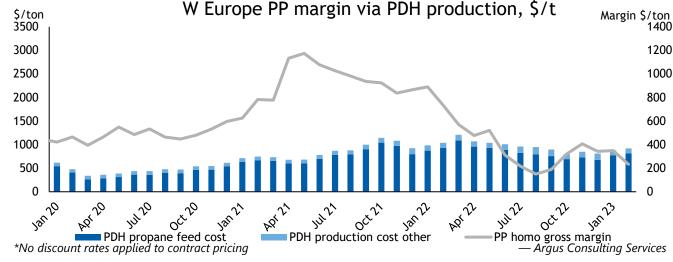
# PRICE

Basis cfr Europe main ports, offers for duty-free imports of PP copolymer for April shipment - and May-June arrival - were heard at €1,220-1,230/t for South Korean volumes, and at €1,195-1,225/t for Vietnamese volumes. But the pricing gap could narrow in the coming weeks if domestic spot prices for PP copolymer grades fall as this could limit traders' appetite for long-haul imports with shipping times of six weeks or more in a market that is already contending with heightened basis risk and demand uncertainty.

# SENSITIVITY

Logistics around refinery, petrochemical, and polymer sites has been impacted by the strikes in France. Crackers were operating at reduced rates despite refinery closures, but one with 270 kt/yr. associated PP plant was reportedly shutting down. The impact for polymer production will widen if the strikes are sustained.



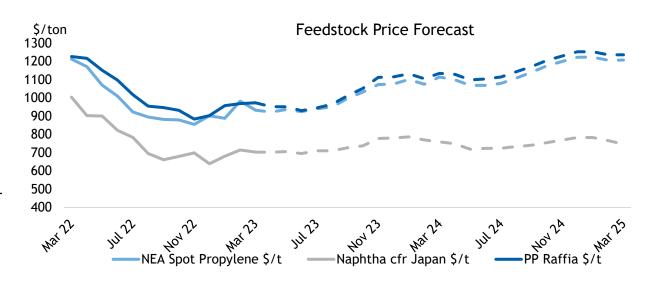


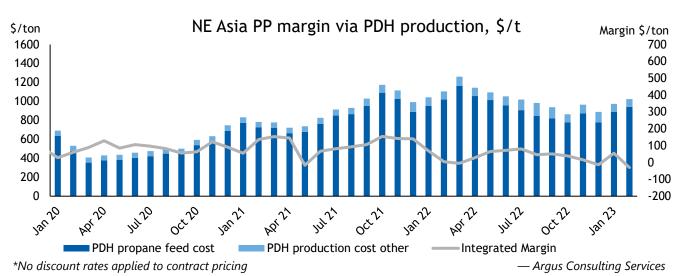




### Northeast Asia Outlook

#### PDH and naphtha-based PP margins are moving in a MARGIN positive direction The uncertainty of feedstock costs have PP producers remaining cautious any increase in operating rates Imported PP raffia prices were assessed at \$920-950/t cfr China. **PRICES** Export prices for PP raffia were assessed at \$1,000-1,030/t fob China, down by \$10/t from the last assessment. Long term outlook is under pressure from expanding **FORECAST** capacities. Global inflation, weak currency, cautious consumption behavior further dampen market sentiment.



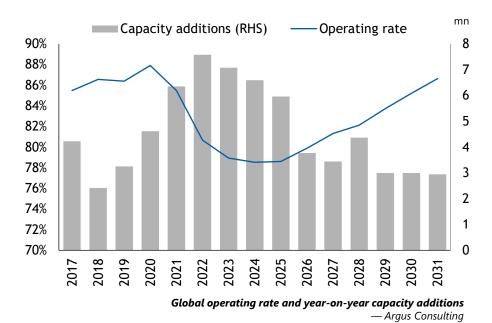






Plant	Location	Capacity '000t/yr	Start-up
Grupa Azoty	Europe	437	2023
Kazakhstan Petrochemical Industries	CIS	500	2H Sep 2022
Sinopec Hainan	China	200	Feb
Sinopec Hainan	China	300	Feb
Petrochina Guangdong	China	500	Feb
Hongrun Petrochemical	China	450	Feb
Chambroad Petrochemical	China	400	1Q
Chambroad Petrochemical	China	200	2Q
Guangxi Hongyi New Material	China	300	Mid-Mar
Oriental Maoming Phase 1	China	450	2Q
Guangzhou Juzhengyuan Phase 2	China	300	2Q
Guangzhou Juzhengyuan Phase 2	China	300	2Q
Huizhou Lituo New Material	China	300	2Q
Anhui Tianda	China	300	3Q
Baofeng Energy Phase 3	China	500	Jun
PetroChina Anqing	China	300	Jun
Sinopec Qilu	China	250	Jul
Jinneng Petrochemical Phase 2	China	450	End 2023
Shenhua Baotou Phase 2	China	350	End 2023
Ningbo Jinfa New Material	China	800	End 2023
Zhejiang Yuanjin New Materials	China	450	2024
Petrochina Guangdong No.2	China	200	2024
Oriental Maoming Phase 2	China	450	2024
Nayara Energy	India	450	4Q
PRefChem	Malaysia	450	Aug 2022
PRefChem	Malaysia	450	Oct 2022
HMC Polymers	Thailand	220	Dec 2022
Long Son Petrochemical	Vietnam	450	Mid-2023
Grupa Azoty	Europe	437	2023

### New Plant Startups 9



Plant Startups in 2022 and 2023 11,125 Ktons 10pc Capacity Increase vs. 2019

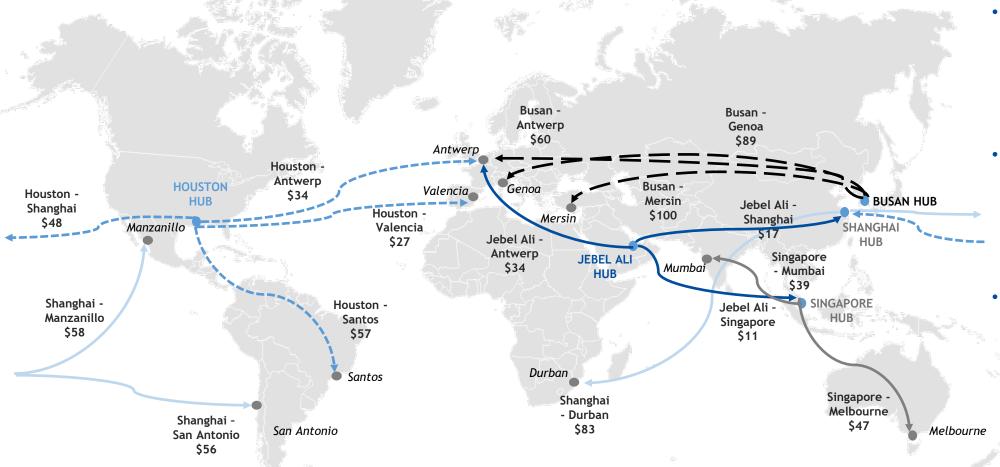
> 2025 vs. 2019 32pc Capacity Increase

Chemicals



# Spot container freight rates

Freight rates continue to decline due to lower demand for finished goods



- US imports from Asia plunged 31pc year-over-year in February to 1.09 million TEU, the lowest level since March 2020
- February marked the sixth consecutive month of year-over-year declines in Asian imports that began in September
- Retailers say their main concern right now is to avoid over-ordering product from factories in Asia until they get a better handle on consumer demand later this summer

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Freight rates listed in \$/ton Source: Freightos-derived

