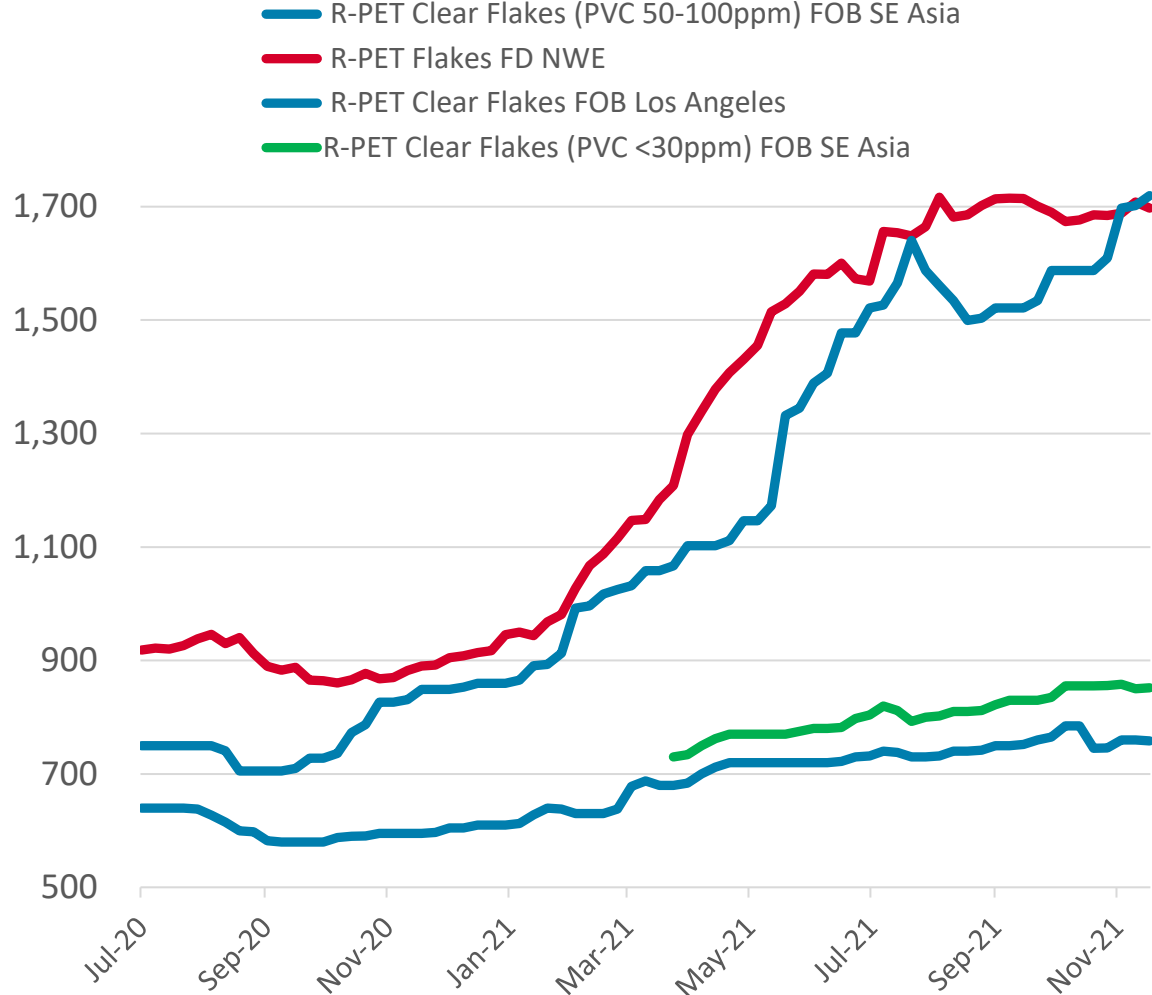
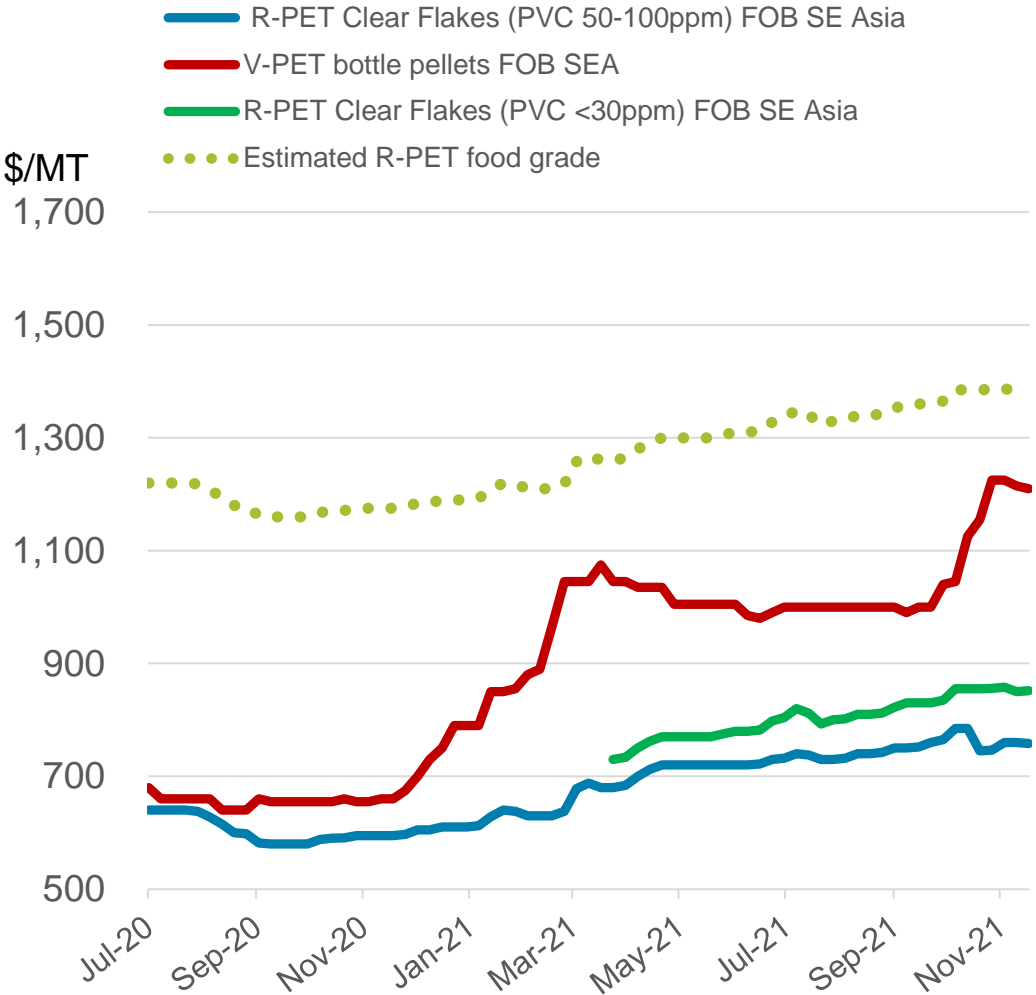


Asian Recycled Polymers

Sustainable plastics, sustainable growth?

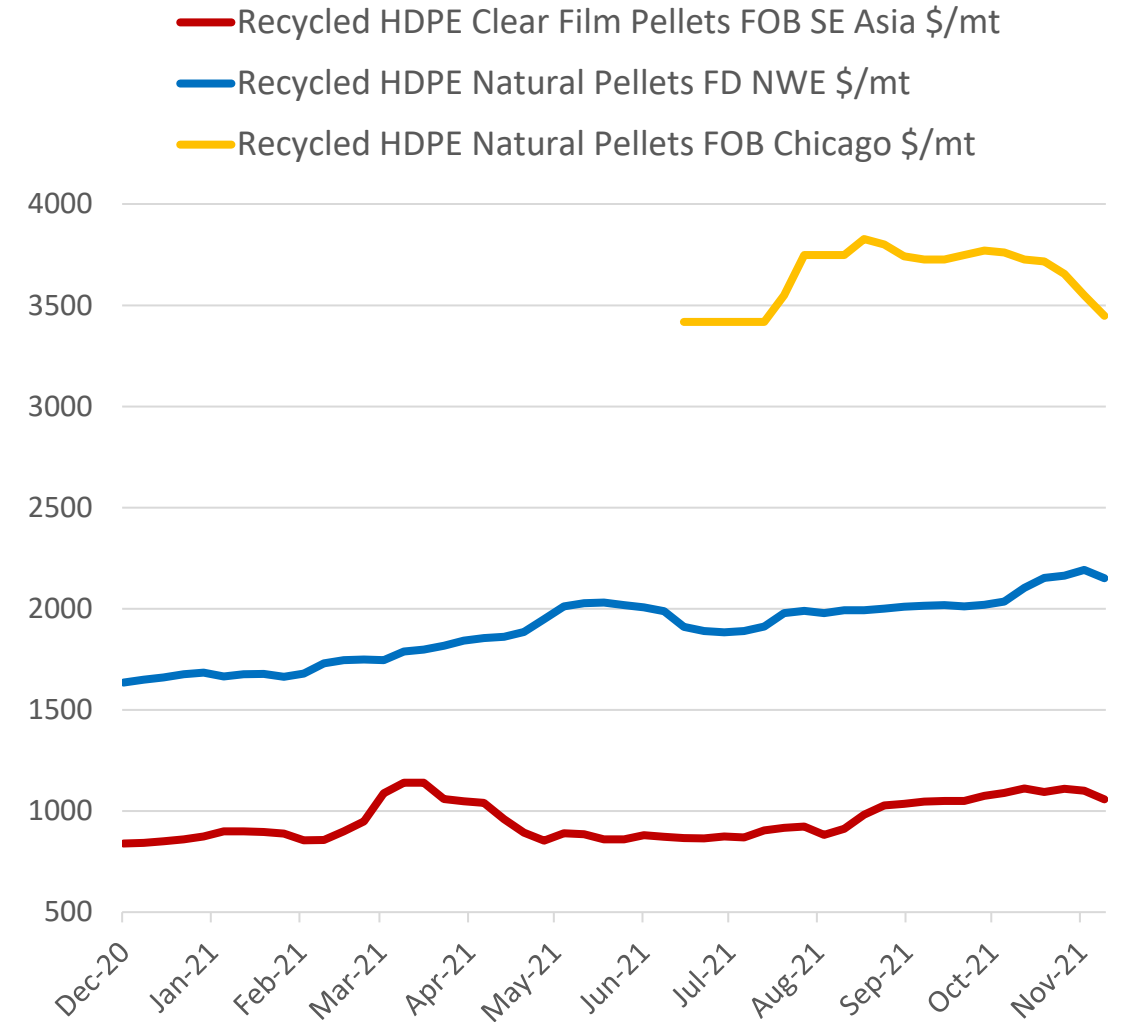
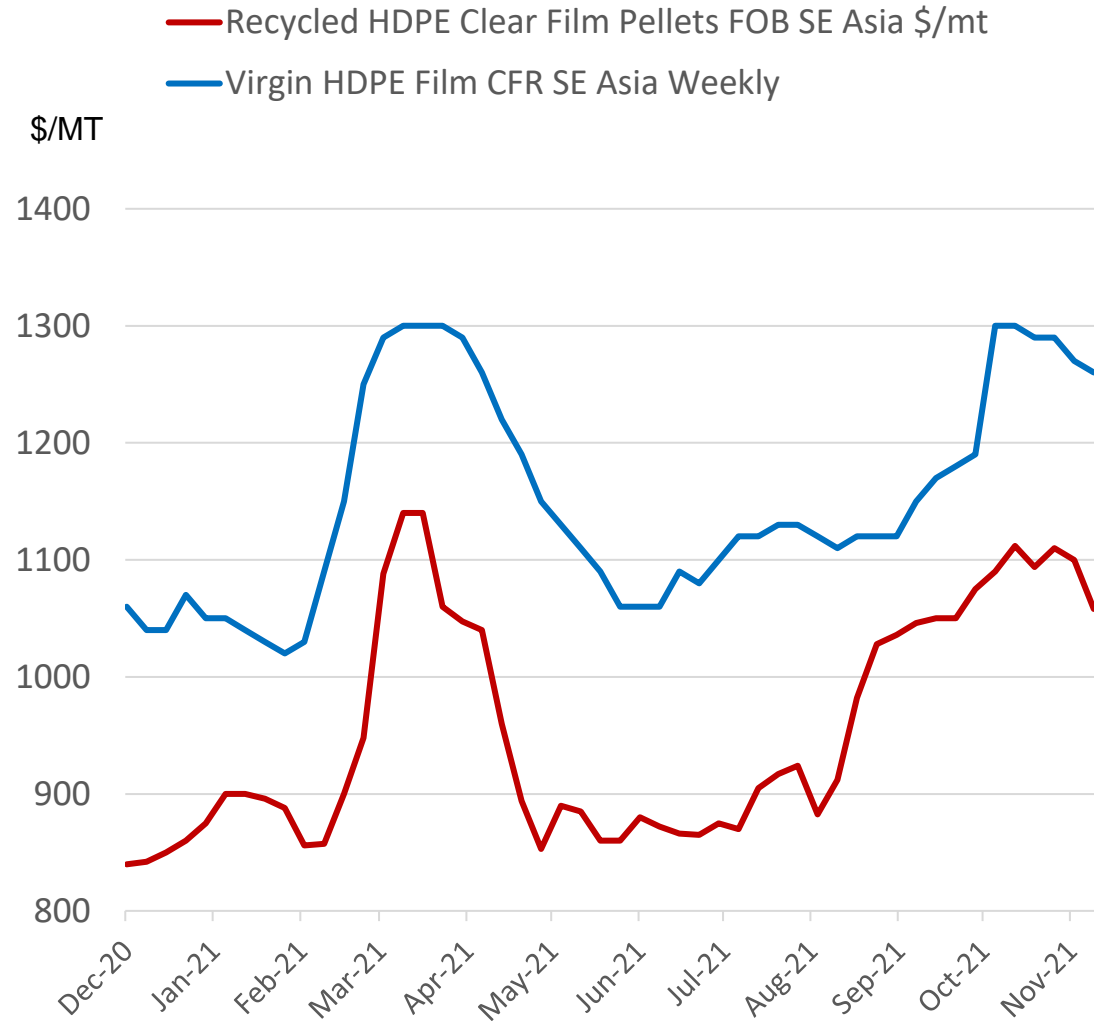


Asia R-PET under pressure for low-end applications and priced higher for bottle grade; Western R-PET soars amid legislations



Note: R-PET food grade pellets prices are estimated from flakes prices plus typical spread, as well as based on market sources, not official assessment

Undersupplied recycled HDPE film dampens trade in Asia



Western Legislation for plastic bottles

Europe

- EU plastic packaging tax came into effect on January 1, 2021
- 30% recycled content for all plastic packaging in UK by 2022
- 25% recycled content in PET plastic bottles by 2025; 30% in all plastic bottles by 2030
- 55% packaging needs to be recycled by 2025
- 77% collection rate of plastic bottles by 2025

US

- California: every plastic bottle under California's deposit program to contain at least 15% post-consumer (PCR) by 2022, 25% by 2025 and 50% by 2030 (Assembly Bill 793)

Rapid expansions in Asia despite lack of legislations for usage

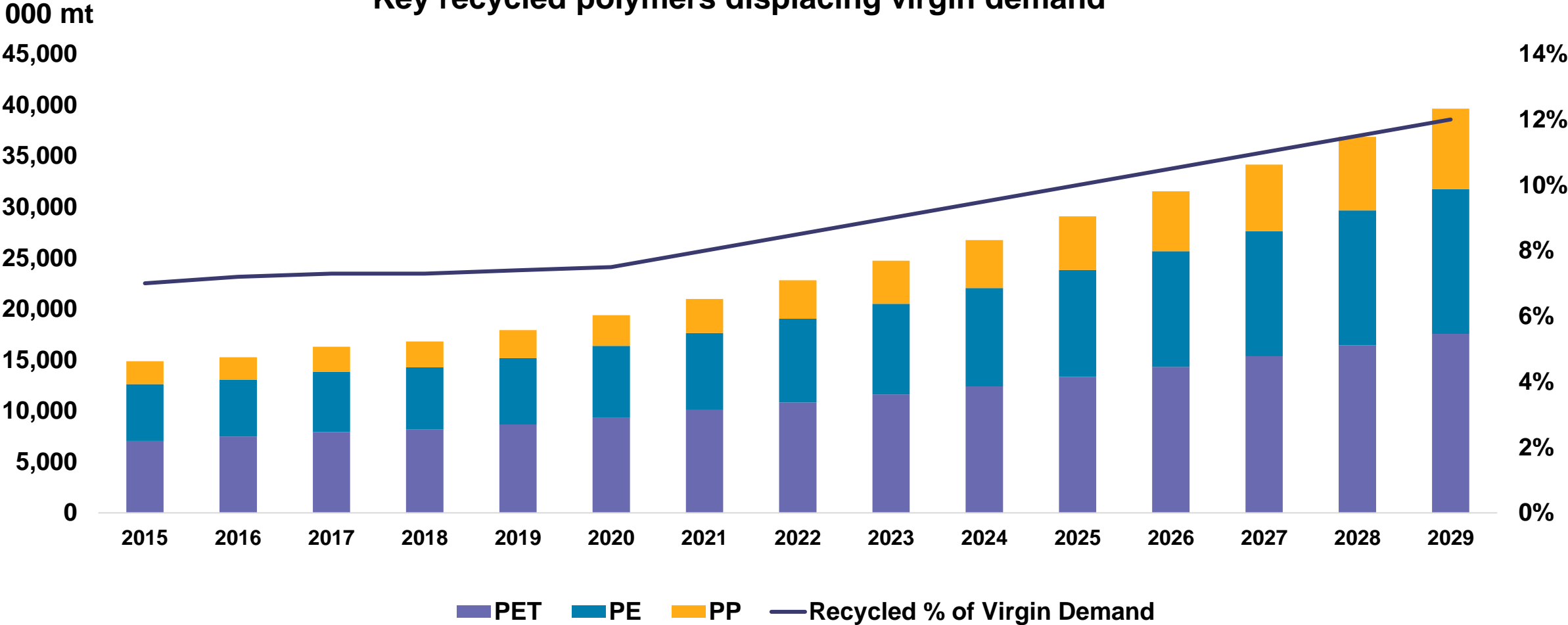
- Japan: 100% PET bottle recycling ratio by 2030 (already above 90% since 2017). Japan Soft Drink Association targets 50% of recycled bottles by 2030.
- Australia: 70% recycling by 2025 and all packaging to include 50% average recycled content by 2025

Region	Plant	Products	Capacity (mt/yr)
Thailand	ENVICCO (PTT Global Chemical and Alpha Packaging)	R-PET, R-HDPE	30,000, 15,000
Thailand	Ecoblue	R-PE, R-PP	Expansion from 5,000 to 10,000 (mid-Dec 2021)
Thailand	EcoBlue	R-PET	Expanded from 15,000 to 32,000 (Q4-2021)
Malaysia	Intco	R-PET	24,000
Malaysia	Dialog & Diyou Fibre	R-PET	TBD
Malaysia	Hiroyuki Industries	R-PET	Expansion from 10,000 mt/year to 20,000 mt/year by end-2022
Vietnam	Duy Tan	R-PET/ R-HDPE/R-PP	20,000 to 60,000 in 2022, to 100,000 by 2024
Indonesia	Veolia Services Indonesia	R-PET	25,000 (started in end-2020)
Indonesia	Coca-Cola Amatil & Dynapack	R-PET	25,000 by 2022
Indonesia	Indorama	R-PET	30,000 (roughly) by 2023
Philippines	PETValue (Coca-Cola & Indorama)	R-PET	16,000 by end-2021/2022
China	Alba , Baguio, Swire Coca Cola jv	R-HDPE, RPET	35,000 (H2 2021)
Japan	ALBA	R-PET & R-PE	35,000

Source: Industry sources
& corporate announcements

Global recycled plastics continues to grow in 2021, after experiencing a slowdown due to COVID last year

Key recycled polymers displacing virgin demand



Platts global recycled plastics market coverage

Asia

- R-PET Clear flakes FOB SE Asia (PVC 50-100 ppm)
- R-PET Clear flakes FOB SE Asia (PVC < 30 ppm)
- R-HDPE clear film pellets FOB SE Asia
- R-LDPE natural film pellets FOB SE Asia

Europe

- Post-consumer PET bottle bales FD NWE
- R-PET Clear flakes FD NWE
- R-PET Clear flakes FD UK
- R-PET Mixed colored flakes FD NWE
- R-PET Mixed colored flakes FD UK
- R-PET Food-grade pellets FD NWE
- R-PET Food-grade pellets FD UK
- Post-consumer mixed HDPE bales FD NWE
- R-HDPE light /natural pellets FD NWE
- R-LDPE black/ grey/ translucent pellets DDP NWE
- R-PP black and natural pellets

Americas

- Post-consumer PET bottle bales premium-grade FOB Los Angeles
- Post-consumer PET bottle bales standard-grade FOB Los Angeles
- Post consumer PET bottle bales standard-grade FOB Chicago
- R-PET Clear flakes FOB Los Angeles
- R-PET Food grade pellets FOB Los Angeles
- Post-consumer mixed HDPE bales FOB Chicago
- Post-consumer natural HDPE bales FOB Chicago
- R-HDPE natural pellets FOB Chicago

What else do you do?

A weekly market commentary, published on a Wednesday, accompanies the price assessments, which highlights the most important trends that have affected the markets that week and provides insight into what the market expects over the coming weeks.

A daily rationale also accompanies the price assessments explaining how the assessment process.

Where Can You Find Recycled Plastics Content in Our Products?

S&P Global Platts POLYMERSCAN
Volume 43 / Issue 18 / April 22, 2020

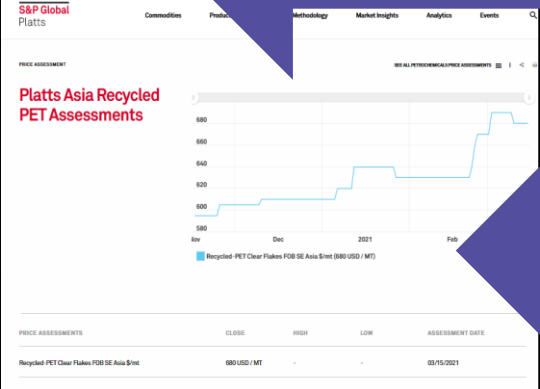
AMERICAS POLYMER SPOT PRICE ASSESSMENTS

Commodity	Unit	Price	Change	Assessment Date
PVC SGP	\$/MT	1,180.00	0.00	04/22/20
LDPE SGP	\$/MT	1,211.74	-13.25	04/22/20
LLDPE SGP	\$/MT	1,188.44	-11.00	04/22/20
HDPE SGP	\$/MT	1,188.44	-11.00	04/22/20

ASIAN POLYMER SPOT PRICE ASSESSMENTS

Commodity	Unit	Price	Change	Assessment Date
PVC SGP	\$/MT	1,180.00	0.00	04/22/20
LDPE SGP	\$/MT	1,211.74	-13.25	04/22/20
LLDPE SGP	\$/MT	1,188.44	-11.00	04/22/20
HDPE SGP	\$/MT	1,188.44	-11.00	04/22/20

All Recycled Plastics assessments are in our weekly PolymerScan PDF, available via email/PMC



On Platts.com Dedicated pages to Recycled Plastics for EU US and Asian markets with pricing, market commentary and rationale

What are Asian Recycled PET price assessments?

What are European Recycled PET price assessments?

How we assess European Recycled PET prices

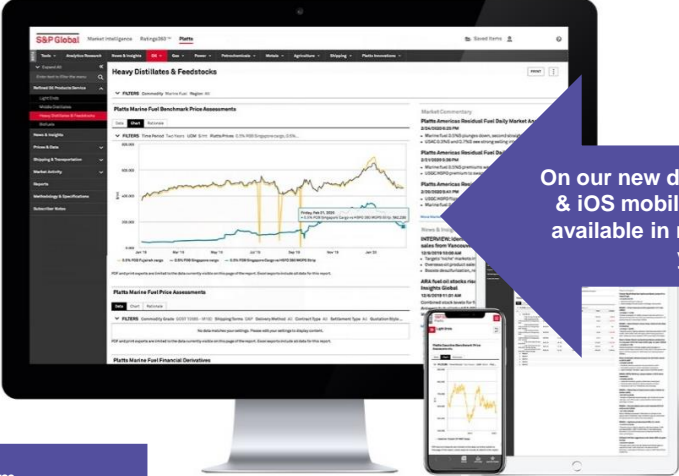
Platts European PET Weekly Commentary

Platts European PET Weekly Rationale

Platts assessments are based on market information, including, but not limited to, firm bids and offers, and trades reported to the editor up to the close of business (4:30 pm London time) on Wednesday.

All the information used to inform the assessment is published transparently on Platts platforms as "heards". An assessment rationale is published explaining what the assessments are and how they have been reached.

A weekly market commentary accompanies the price assessments and rationale, which highlights the most important trends that have affected the markets that week and provides insight into what the market expects over the coming weeks.



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*The Recycled Plastics content is also available on Platts Market Centre and Platts on the Net

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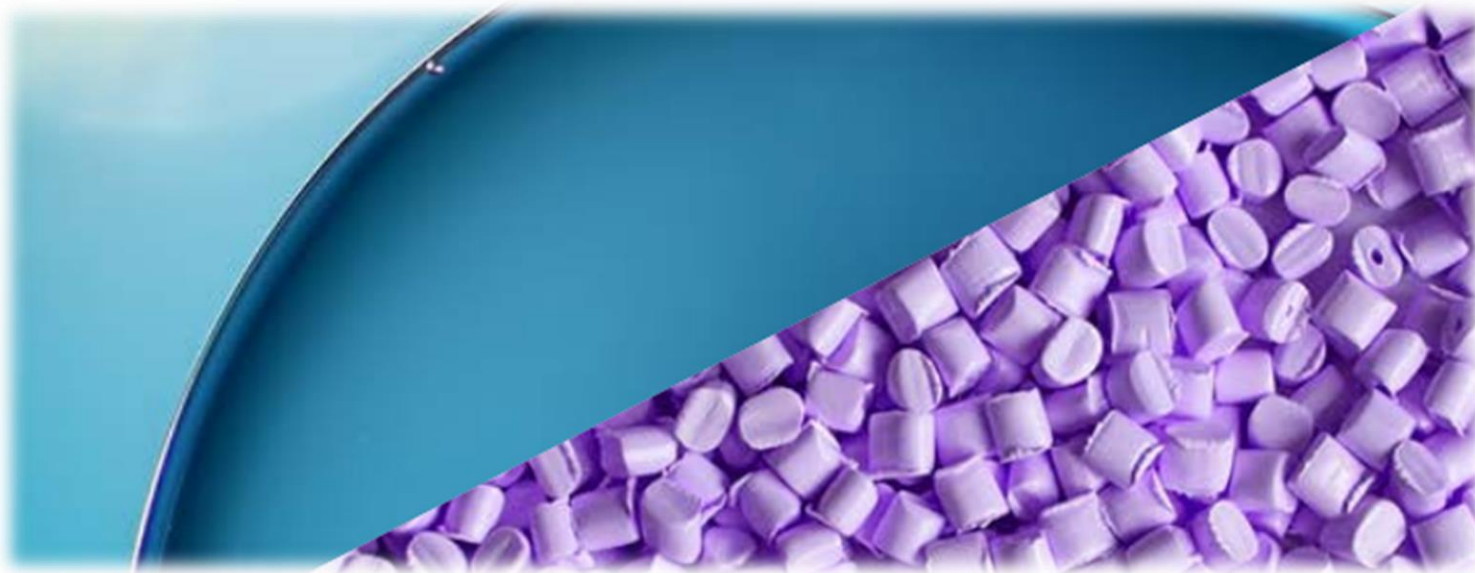
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