SINGLE-USE A PULSE 2021

A WEBINAR SERIES EXPLORING

THE BUSINESS OF SUTS

THURSDAY, MARCH 11

10:30-11:15 AM EST

ECONOMIC RECOVERY AND PLASTICS INDUSTRY PROSPECTS



PERC PINEDA, PHD
CHIEF ECONOMIST
PLASTICS INDUSTRY ASSOCIATION



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Economic Recovery and Plastics Industry Prospects

Perc Pineda, PhD Chief Economist

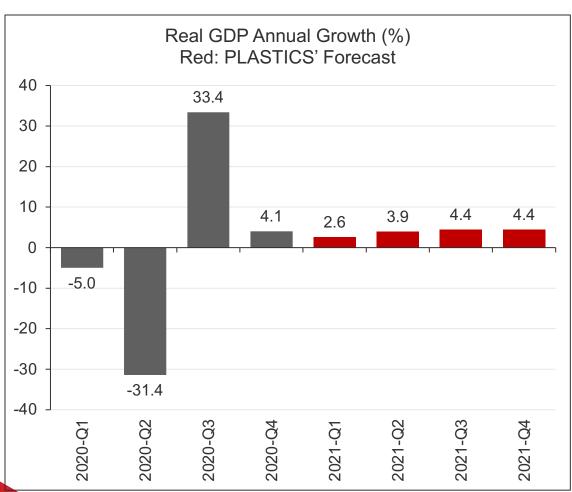


Global Economic Outlook

	2020	2021	2022
World Output (%)	-3.5	5.5	4.2
Advanced Economies	-4.9	4.3	3.1
United States	-3.4	<mark>5.1</mark>	2.5
Euro Area	-7.2	4.2	3.6
Germany	-5.4	3.5	3.1
France	-9.0	5.5	4.1
Italy	-9.2	3.0	3.6
Spain	-11.1	5.9	4.7
Japan	-5.1	3.1	2.4
United Kingdom	-10.0	4.5	5.0
Canada	<mark>-5.5</mark>	3.6	<mark>4.1</mark>
Other Advanced Economies	-2.5	3.6	3.1

	2020	2021	2022
Emerging Market and Developing Economies	-2.4	6.3	5.0
Emerging and Developing Asia	-1.1	8.3	5.9
<u>China</u>	2.3	8.1	5.6
India*	-8.0	11.5	6.8
ASEAN-5	-3.7	5.2	6.0
Emerging and Developing Europe	-2.8	4.0	3.9
Russia	-3.6	3.0	3.9
Latin America and the Caribbean	-7.4	4.1	2.9
Brazil	-4.5	3.6	2.6
Mexico	<mark>-8.5</mark>	4.3	2.5
Middle East and Central Asia	-3.2	3.0	4.2
Saudi Arabia	-3.9	2.6	4.0
Sub-Saharan Africa	-2.6	3.2	3.9
Nigeria	-3.2	1.5	2.5
South Africa	-7.5	2.8	1.4

U.S. Economic Outlook

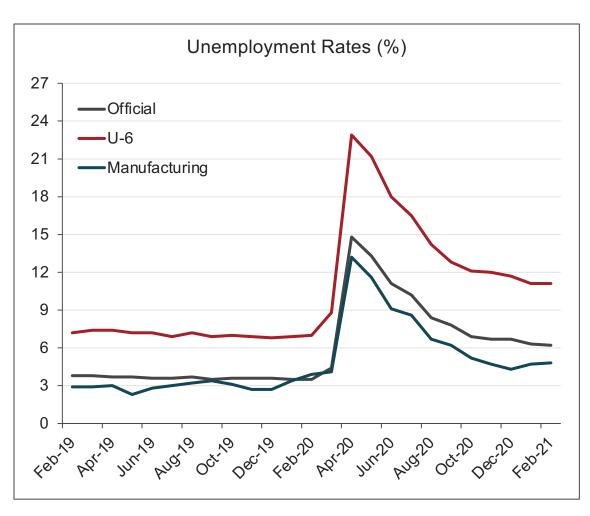


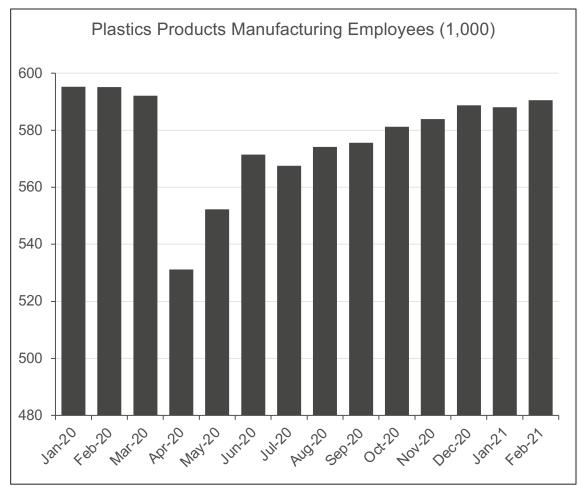
Real GDP Growth Forecast (%)	2021	2022
International Monetary Fund	5.1	2.5
IHS	4.0	3.9
Federal Reserve Bank Board of Governors*	4.2	3.2
Congressional Budget Office	4.6	2.9
Federal Reserve Bank of Philadelphia*	4.5	3.7
PLASTICS	4.1	3.0





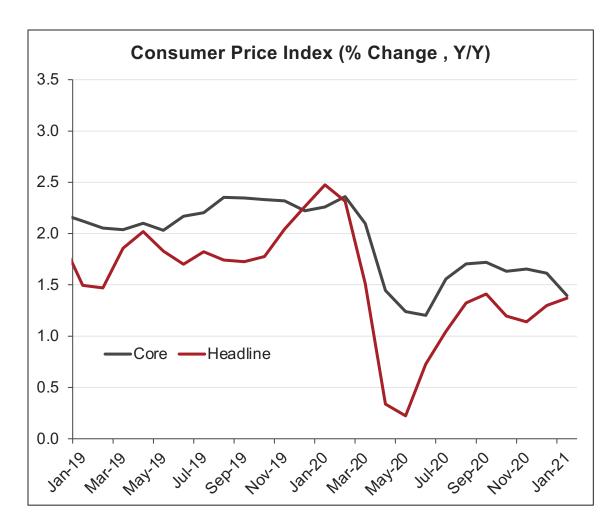
U.S. Labor Market Recovering

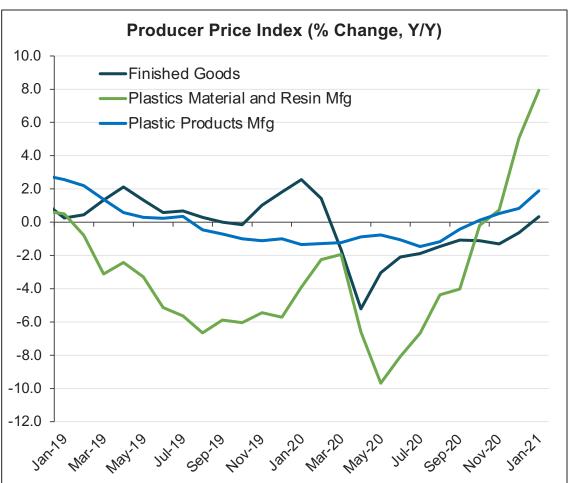






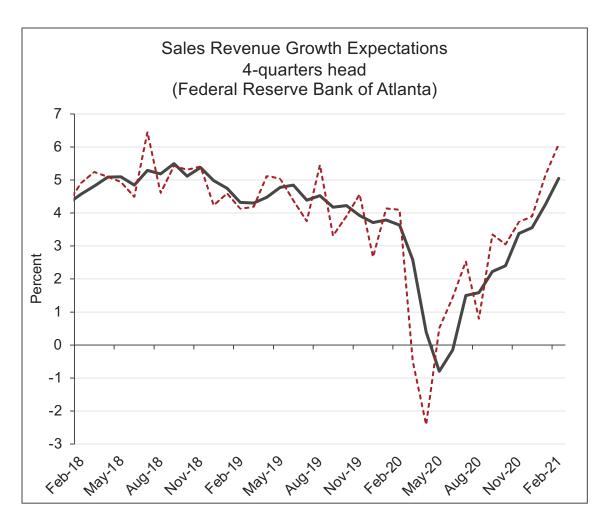
Inflation

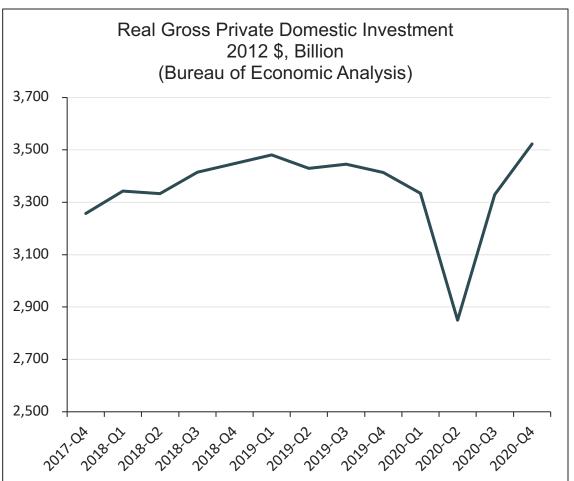






Business Expectation





Current Macroeconomic Outlook

December 2020

Plastics Quarterly

A publication of PLASTICS providing a macroeconomic, plastics end markets, and plastics industry outlook



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Macroeconomic Quarterly Forecast

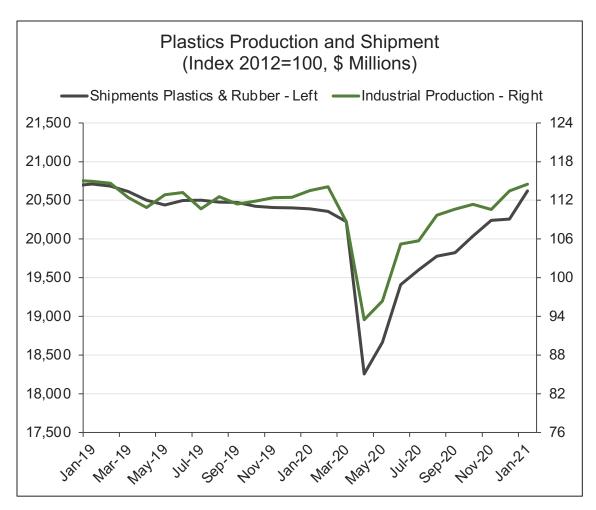
		GDP (%)	Unemployment (%)	CPI Inflation (%)
2019	2020	-3.5	8.1	1.1
	2020-Q1	-5.0	3.8	1.2
	2020-Q2	-31.4	13.0	-3.5
	2020-Q3	33.1	8.8	5.2
	2020-Q4	40	6.8	2.2
	2021	4.1	6.2	2.0
	2021-Q1	2.6	6.6	1.9
2020	2021-Q2	3.9	6.3	1.9
	2021-Q3	4.4	6.0	2.1
	2021-Q4	4.4	5.7	2.1

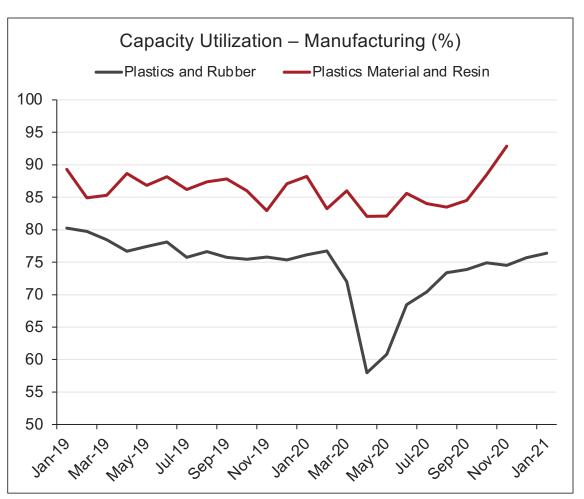
Source: BEA (Historical Data), PLASTICS & INFORUM (Forecast)





Plastics Production, Shipment, and Capacity Utilization





U.S. Plastics Industry Turnaround



MONETARY AND FISCAL POLICIES



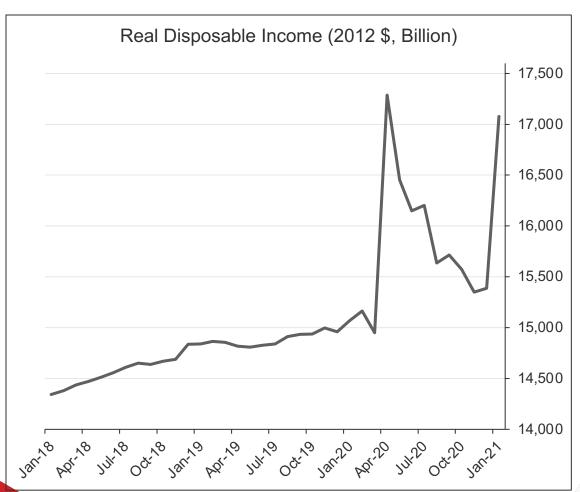
CONSUMER ESSENTIALS

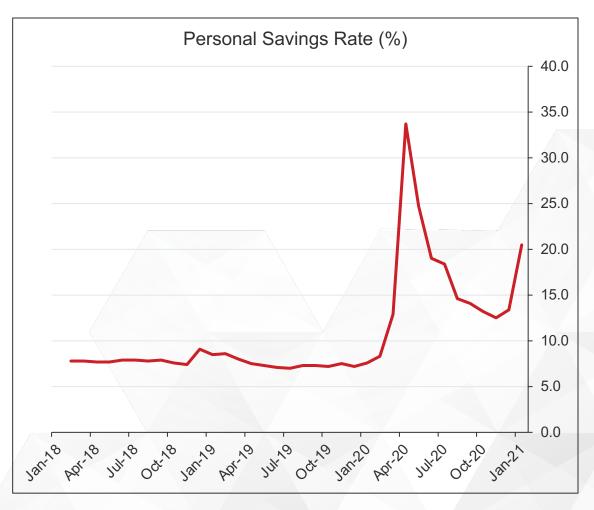


END-MARKETS TURNAROUND



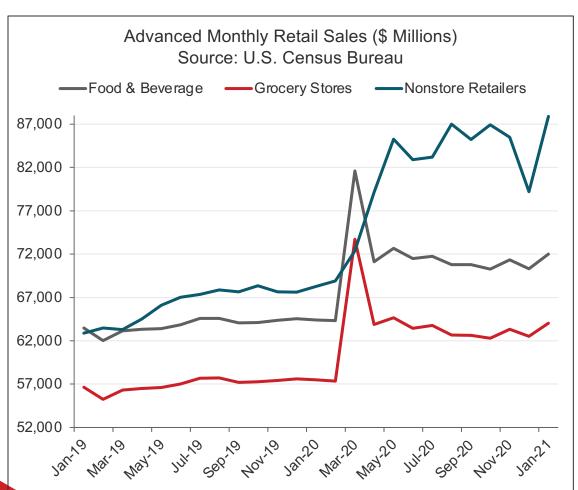
Real Personal Income and Savings

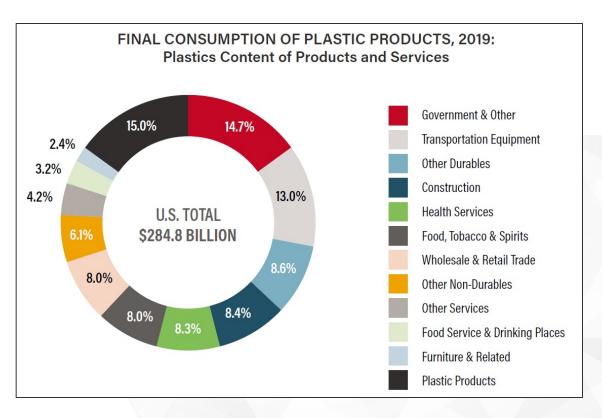






Consumer Spending

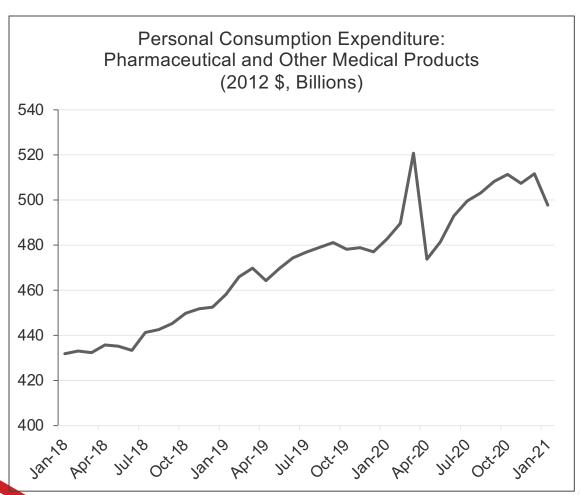


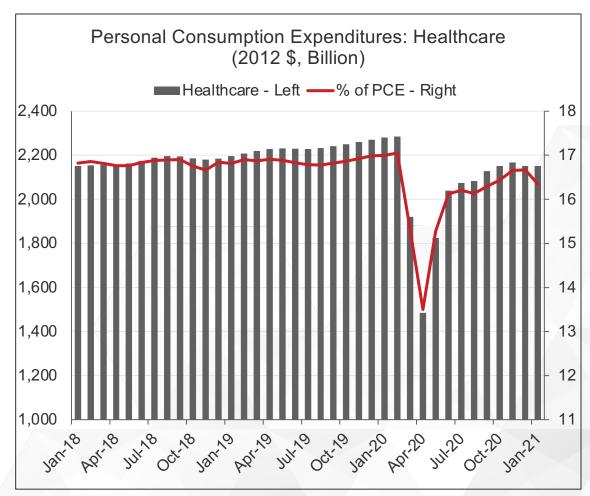


Source: PLASTICS 2020 Size and Impact Report. www.plasticsindustry.org/data



Consumption in Healthcare

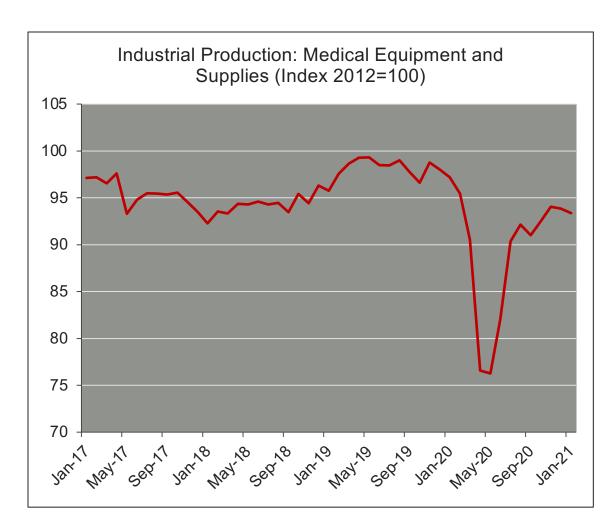


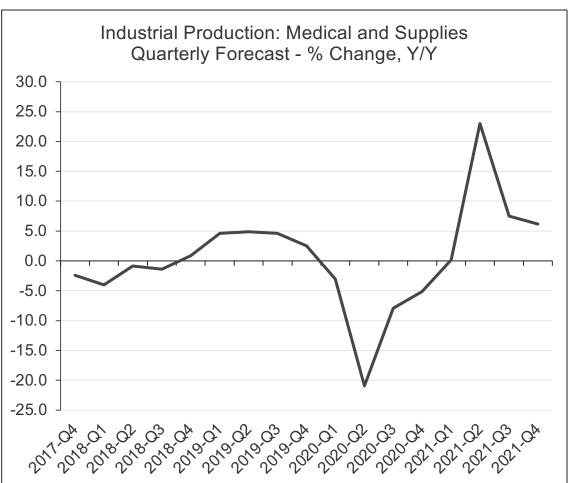






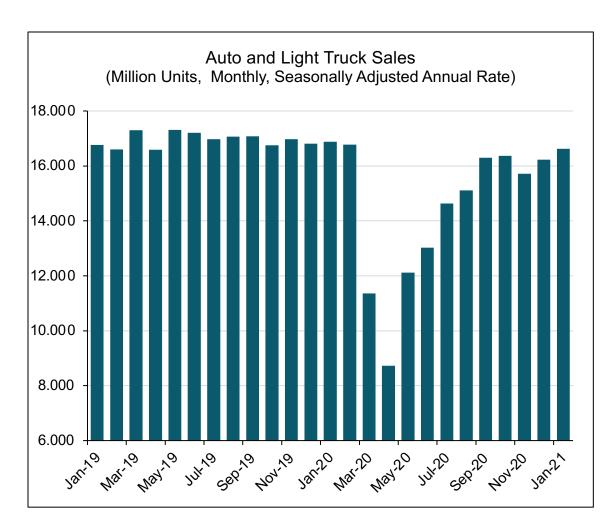
Medical Equipment and Supplies

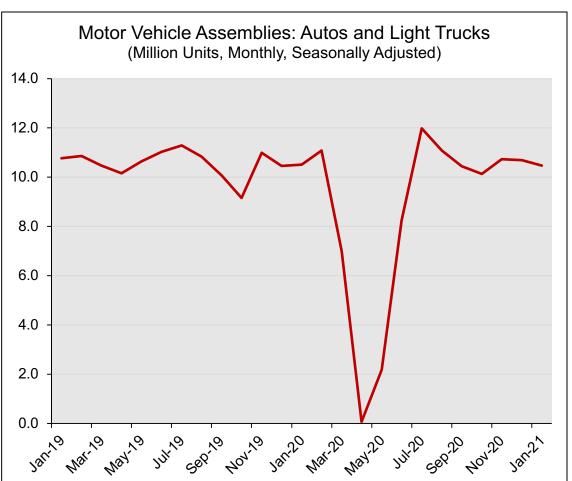






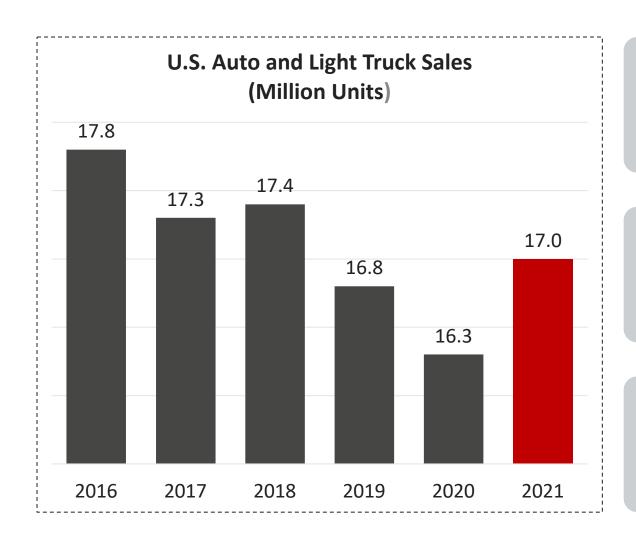
Transportation

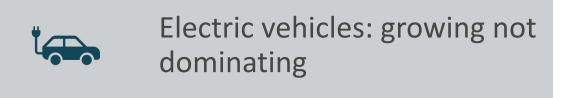


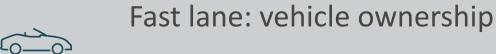




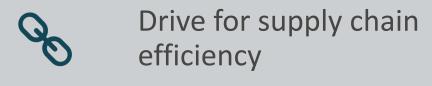
Stable Auto and Light Truck Demand in 2021





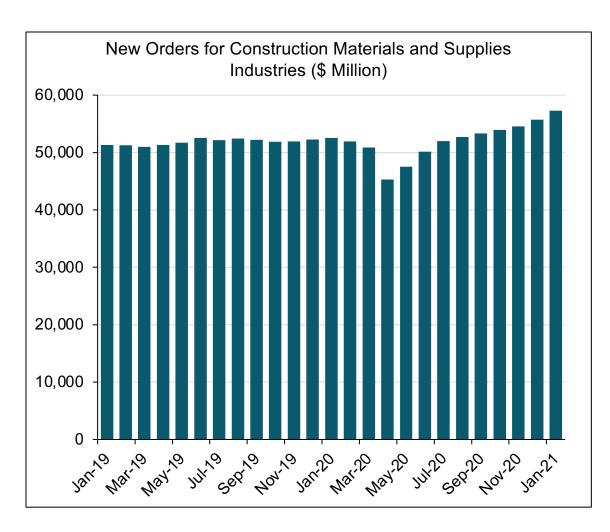


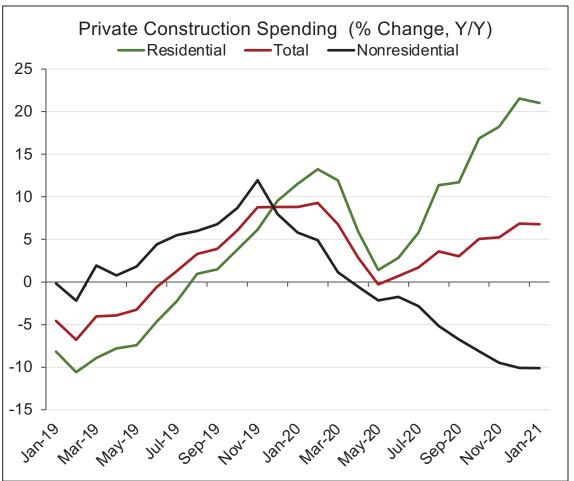
Slow lane: ride-sharing





Building and Construction

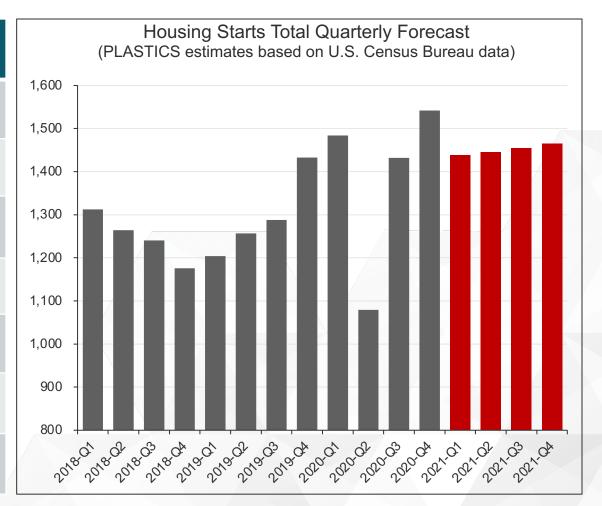




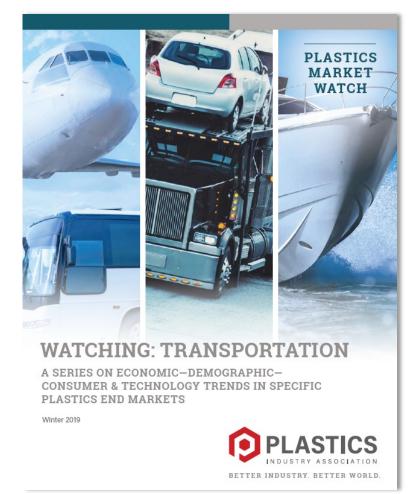
Housing Forecast

Fannie Mae Housing Forecast (February 20	21)

Growth Rate (Y/Y)	2020	2021	2022
Housing starts (%)		9.7	-2.9
New single-family home sales (%)	18.7	6.0	-1.0
Total existing home sales (%)	5.6	7.0	-4.9
30-year fixed mortgage rate (%)	3.1	2.8	3.0
Median new home price (\$1,000)	334	361	371
Median total existing (\$1,000)	295	319	328









WATCHING: CONSUMER GOODS

A SERIES ON ECONOMIC, DEMOGRAPHIC, CONSUMER & TECHNOLOGY TRENDS IN SPECIFIC PLASTICS END MARKETS Spring 2020







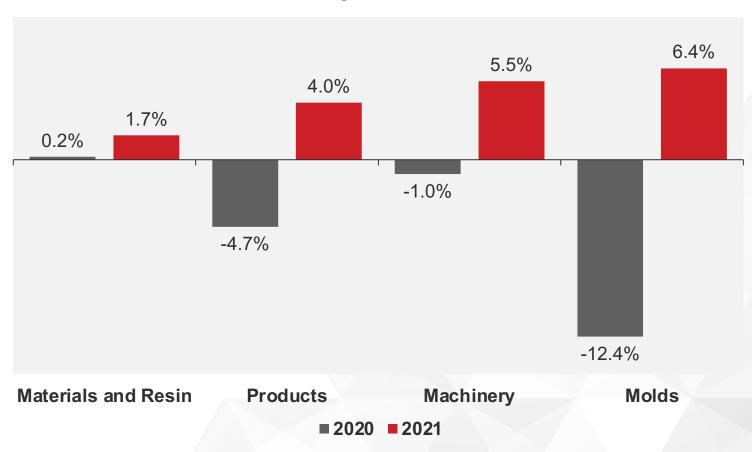


www.plasticsindustry.org/data/industry/data/plastics-market-watch

Plastics Industry Forecast



Plastics Industry Production Forecast





For the remainder of 2021...

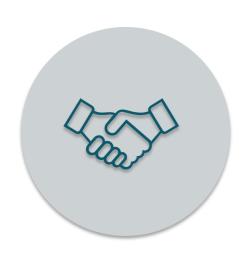


- Economic recovery not without risks
- Improvement in global plastics trade can be expected
- Economy will not return to full employment in 2021
- Positive outlook for plastics, revenue stream will be uneven
- Innovation will always be a source of competitive advantage





U.S. Plastics Market







POISED FOR GROWTH



ENDLESS POSSIBILITIES





Thank You!

Perc Pineda, PhD
Chief Economist
ppineda@plasticsindustry.org
@PercPineda



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THURSDAY, MARCH 24

10:30-11:15 AM EDT SUSTAINABILITY THROUGHOUT THE VALUE CHAIN: INSIGHTS FROM THE FOOD INDUSTRY



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