

# LyondellBasell (LYB)

\$65.61 (As of 07/01/20)

Price Target (6-12 Months): \$69.00

Long Term: 6-12 Months	(Since: 05/25/2	Zacks Recommendation: (Since: 05/25/20) Prior Recommendation: Underperform			
Short Term: 1-3 Months	Zacks Rank:	(1-5)	3-Hold		
	Zacks Style So	VGM:C			
	Value: A	Momentum: D			

### **Summary**

Earnings estimates for LyondellBasell for the second quarter of 2020 have moved up in the past month. The company is expanding its key projects to leverage on U.S. natural gas liquids. The HDPE project is expected to boost capacity and contribute to earnings. It is also on track with its PO/TBA project. The A. Schulman buyout will also generate significant cost synergies. LyondellBasell is committed to boost shareholders' returns. However, it is seeing certain challenges in the Intermediates and Derivatives business. Moreover, decline in demand stemming from persistently low automotive demand and the impact of the coronavirus is hurting Oxyfuels & Related Products business. Also, the refining market is affected by declining prices and reduced demand for transportation fuels. High debt level is another concern.

### **Data Overview**

52 Week High-Low	\$98.91 - \$33.71
20 Day Average Volume (sh)	2,707,965
Market Cap	\$21.9 B
YTD Price Change	-30.6%
Beta	1.57
Dividend / Div Yld	\$4.20 / 6.4%
Industry	<b>Chemical - Diversified</b>
Zacks Industry Rank	Bottom 42% (145 out of 252)

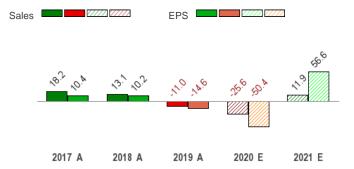
Last EPS Surprise	8.1%
Last Sales Surprise	-0.2%
EPS F1 Est- 4 week change	1.2%
Expected Report Date	08/07/2020
Earnings ESP	-3.7%

P/E TTM	7.4
P/E F1	13.8
PEG F1	1.8
P/S TTM	0.7

### Price, Consensus & Surprise



# Sales and EPS Growth Rates (Y/Y %)



# Sales Estimates (millions of \$)

\*Quarterly figures may not add up to annual.

	Q1	Q2	Q3	Q4	Annual*
2021					28,897 E
2020	7,494 A	5,574 E	6,458 E	6,714 E	25,828 E
2019	8,778 A	9,048 A	8,722 A	8,179 A	34,727 A
EPS E	stimates				
	Q1	Q2	Q3	Q4	Annual*
2021					\$7.47 E
2020	\$1.52 A	\$0.62 E	\$1.23 E	\$1.37 E	\$4.77 E
2019	\$2.22 A	\$2.75 A	\$2.70 A	\$1.91 A	\$9.62 A

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 07/01/2020. The reports text is as of 07/02/2020.

#### Overview

Based in Rotterdam, the Netherlands, LyondellBasell Industries N.V. is among the leading plastics, chemical and refining companies globally with operations across 18 countries. The company's products are used across a bevy of industries including electronics, automotive parts, packaging, construction materials and biofuels.

LyondellBasell, which emerged from Chapter 11 bankruptcy in 2010, is among the leading global producers of olefins and polyethylene. It is the world's second largest producer of polypropylene. It generated revenues of roughly \$34.7 billion in 2019.

LyondellBasell operates through six segments – Olefins & Polyolefins – Americas; Olefins & Polyolefins - Europe, Asia, International; Intermediates and Derivatives; Advanced Polymer Solutions; Refining; and Technology.

The Olefins & Polyolefins – Americas (21% of 2019 sales) division makes and markets olefins, including ethylene and ethylene co-products, and polyolefins.

The Olefins & Polyolefins - Europe, Asia, International unit (24%) is engaged in the production and distribution of olefins, including ethylene and ethylene co-products, polyolefins and polypropylene compounds.

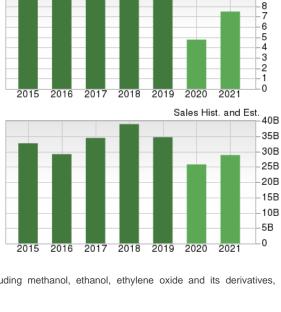
The Intermediates and Derivatives segment (20%) manufactures propylene oxide (PO) and its co-products and derivatives, acetyls, including methanol, ethanol, ethanol, ethylene oxide and its derivatives, and oxygenated fuels (oxyfuels).

The Advanced Polymer Solutions segment (12%) manufactures and markets Compounding & Solutions and Advanced Polymers.

The Refining segment (21%) refines heavy, high-sulfur crude oil and different types of other crude oils as well as sources available on the U.S. Gulf Coast. The company's Houston refinery in Texas has been designed to refine heavy, high-sulfur crude oil.

LyondellBasell's Technology segment (2%) develops and licenses chemical and polyolefin process technologies and also makes and distributes polyolefin catalysts.

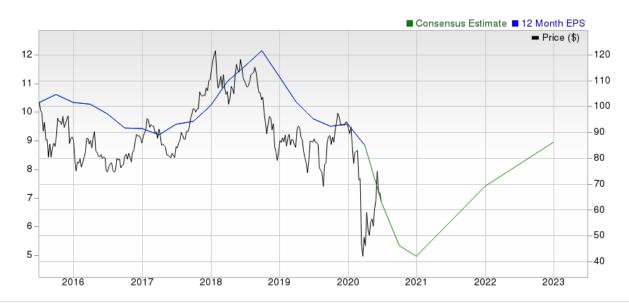
LyondellBasell has acquired A. Schulman, Inc. in a deal worth \$2.25 billion. The deal was closed on August 2018 and results from the new business are included prospectively.



EPS Hist, and Est.

10

9



### **Reasons To Buy:**

▲ LyondellBasell is benefitting from the favorable North American natural gas environment. It is executing its expansion projects to leverage the U.S. natural gas liquids (NGLs) advantage. The construction of LyondellBasell's new high-density polyethylene (HDPE) plant on the U.S. Gulf Coast is complete. It will employ the company's proprietary Hyperzone PE technology and has an annual capacity of 1.1 billion pounds. LyondellBasell is also constructing a world scale plant on the U.S. Gulf Coast for producing propylene oxide (PO) and tertiary butyl alcohol (TBA). The plant will have annual capacity of 1 billion pounds of PO and 2.2 billion pounds of TBA and its derivatives.

LyondellBasell's HDPE project should boost capacity and add to its earnings. The buyout of A. Schulman will also create significant cost synergies.

- ▲ LyondellBasell has purchased A. Schulman in a deal worth \$2.25 billion, a move that creates a premier global provider of advanced polymer solutions with extensive geographic reach, leading technologies and a diverse product portfolio. A. Schulman is a leading supplier of high-performance plastic compounds, composites and powders. The buyout doubles the size of LyondellBasell's existing compounding business and creates a platform for future growth with reach into additional high-growth markets such as packaging and consumer products, electronics and appliances, building and construction, and agriculture. LyondellBasell expects to capture \$200 million in annual run-rate cost synergies within two years. The buyout is also expected to be accretive to earnings within the first full year following its closure. The integration of A. Schulman is progressing well. At the end of Dec 31 2019, the company has captured \$130 million in forward annualized run rate synergies.
- ▲ LyondellBasell remains committed to deliver greater value to its shareholders leveraging healthy cash flows. The company generated cash flows from operations of roughly \$5 billion in 2019. In 2019, the company paid out dividends worth \$1.5 billion. In the first quarter, the company also paid out dividends worth \$351 million.

#### **Reasons To Sell:**

▼ The company is seeing certain challenges in the Intermediates and Derivatives business. Results of the segment were affected by declining margins in the last reported quarter. A well-supplied market for its Intermediate Chemicals business has put pressure on margins. On a year-over-year and sequential-comparison basis, Intermediate Chemicals results declined in the first quarter. Moreover, the Oxyfuels & Related Products businesses of the unit witnessed challenging market conditions in the first quarter due to lower margins and demand for transportation fuels. Moreover, margins in the Advanced Polymer Solutions segment declined in the last reported quarter due to lower demand stemming from persistently low automotive demand and the impact of coronavirus. These challenges are expected to persist in the near term

LyondellBasell is seeing certain challenges in the Intermediates and Derivatives business. Declining margins in the Refining segment is another concern. High debt level is another cause of worry.

- ▼ Declining margins in the Refining segment and Olefins & Polyolefins Americas segment is a concern. The Refining business swung losses in the first quarter while EBITDA of the Olefins & Polyolefins Americas segment fell 29.1% year over year. The company stated that the refining market has been challenged by declining prices and reduced demand for transportation fuels, which includes gasoline and jet fuel. Going forward, it expects these factors to continue to put pressure on margins.
- ▼ The company's high debt level is another concern. Its long-term debt was \$12,159 million at the end of first-quarter 2020, up from \$11,614 million in the prior quarter. Further, its time-interest-earned ratio of 10.4 at the end of first-quarter 2020 fell from 12.7 in the prior quarter and has also deteriorated over the last several quarters. As such, the company appears to have a higher default risk.

# **Last Earnings Report**

# LyondellBasell's Q1 Earnings Beat, Sales Lag Estimates

LyondellBasell posted profits of \$144 million or 42 cents per share in first-quarter 2020, down from \$817 million or \$2.19 in the year-ago quarter.

Barring one-time items, adjusted earnings came in at \$1.47 per share that beat the Zacks Consensus Estimate of \$1.36.

Revenues fell 14.6% year over year to \$7,494 million in the reported quarter. The figure also trailed the consensus mark of \$7,507.2 million.

Consolidated EBITDA fell 54.8% year over year to \$646 million.

Quarter Ending	03/2020
Report Date	May 01, 2020
Sales Surprise	-0.18%
EPS Surprise	8.09%
Quarterly EPS	1.52
Annual EPS (TTM)	8.88

#### Segment Review

In the Olefins & Polyolefins — Americas division, EBITDA fell 29.1% year over year to \$366 million. Polyolefin results dropped around \$110 million due to lower margins, partly offset by higher polyethylene volume.

The Olefins & Polyolefins — Europe, Asia, International segment witnessed a fall in EBITDA of 36.1% year over year to \$189 million. Olefin results rose around \$45 million on a year-over-year basis with an improvement in both volume and margin. Ethylene margin expanded mainly due to lower feedstock prices, which was partly offset by decline in ethylene prices.

The Advanced Polymer Solutions segment saw a decline in EBITDA to \$113 million from \$148 million in the year-ago quarter. Compounding & Solutions results declined \$30 million mainly due to lower demand stemming from persistently low automotive demand and the impact of coronavirus.

EBITDA in the Intermediates and Derivatives segment fell 47.9% on a year-over-year basis to \$203 million.

EBITDA in the Refining segment came in at a loss of \$272 million in the reported quarter compared with a loss of \$15 million in the year-ago quarter. Margin declined due to the inability to upgrade products during an unplanned outage. Crude throughput fell by 33,000 barrels per day.

The Technology segment's EBITDA fell to \$56 million in the reported quarter from \$83 million in the prior-year quarter, mainly due to lower licensing revenues.

#### **Financials**

As of Mar 31, LyondellBasell had cash and liquid investments of \$1.8 billion.

In the first quarter, the company paid out dividends worth \$351 million. It also had 334 million common shares outstanding as of Mar 31.

## Outlook

LyondellBasell expects low crude oil pricing, the coronavirus pandemic and a slowing economy to affect its business in the second quarter. The company's order books for April and May indicate strong ongoing demand for its polyolefins in medical and consumer packaging applications. Demand for industrial and durable products markets are expected to remain weak. Moreover, significantly lower demand for transportation fuels will impact the Refining and Oxyfuels & Related Products businesses.

The company is undertaking actions to manage risk by accelerating cost-saving initiatives, aggressively managing working capital and lowering capital expenditures for 2020 by \$500 million. It also increased liquidity to more than \$5 billion during April.

#### **Recent News**

#### LyondellBasell's Spheripol Technology Selected by Indian Oil - Jun 16, 2020

LyondellBasell has announced that Indian Oil Corporation Ltd. ("IOCL") will employ its Spheripol technology for a new 450 KTA polypropylene plant that will be built in Panipat, Haryana State, India.

IOCL is currently operating polypropylene plants with total capacity of 1,300 KTA at the Panipat and Paradip sites in India. These facilities are based on LyondellBasell's proprietary Spheripol technology. Additionally, Indian Oil is using LyondellBasell's Hostalen technology to produce 300 KTA of high-density polyethylene (HDPE) product. Indian Oil aims to double the polypropylene production capacity over the next five years.

The Spheripol technology is the leading process technology for polypropylene. It has more than 27 million tons of licensed capacity. Spheripol's latest fifth-generation technology includes process improvements that enhance operational efficiency. The plant will start operations using the Avant ZN catalyst.

By optionally joining the Technical Service program of LyondellBasell, new licensees can enjoy the benefits of its in-house expertise of catalyst know-how, ongoing production improvement and sustainable product development.

Other than the Spheripol process technology, LyondellBasell's range of approved polyolefin processes and catalysts includes Hostalen, Spherizone, Lupotech, Spherilene, Metocene PP and Avant.

#### LyondellBasell Grants Hostalen ACP Licenses to Sinopec Hainan - May 26, 2020

LyondellBasell has announced that Sinopec Hainan Refining & Chemical Co., Ltd. will utilize its Hostalen 'Advanced Cascade Process' (Hostalen ACP) technology for a new facility.

Notably, the Hostalen ACP is a low-pressure slurry process technology that produces high-performance, multi-modal HDPE resins with an increased toughness balance, high stress-cracking resistance and impact resistance. The technology is used in pressure pipe, blow molding and film applications.

The technology is expected to be used for 300 kilo tons per annum (KTA) high-density polyethylene ("HDPE") facility that will be built in Yangpu, Hainan Province, P.R. China. Notably, with the latest capacity additions, LyondellBasell has now provided license to more than 8500 KTA of benchmark multi-modal HDPE resins.

Per LyondellBasell, multi-modal HDPE resins play an important role in catering to the increasing demand for higher-value polyethylene products. The Sinopec Hainan HDPE facility will begin operations using Avant Z501 and Avant Z509 catalysts to make an entire range of multi-modal HDPE products.

The new licensees are anticipated to gain from LyondellBasell's in-house expertise of ongoing process, operating and product improvements by optionally joining the company's Technical Service program.

# Valuation

LyondellBasell's shares are down 30.6% in the year-to-date period and down 24.8% over the trailing 12-month period. Stocks in the Zacks

Chemical - Diversified industry and the Zacks Basic Materials sector are down 16.4% and 8.4% in the year-to-date period, respectively. Over the past year, the Zacks sub-industry and sector are down 15.5% and 7.5%, respectively.

The S&P 500 index is down 3.8% in the year-to-date period and up 4.1% in the past year.

The stock is currently trading at 6.86X trailing 12-month enterprise value-to EBITDA (EV/EBITDA) ratio, which compares to 7.53X for the Zacks sub-industry, 9.22X for the Zacks sector and 11.5X for the S&P 500 index.

Over the past five years, the stock has traded as high as 9.2X and as low as 4.38X, with a 5-year median of 6.78X.

Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$69 price target reflects 11.15X forward 12-month earnings per share.

The table below shows summary valuation data for LYB:

		Stock	Sub-Industry	Sector	S&P 500
	Current	6.86	7.53	9.22	11.5
EV/EBITDA TTM	5-Year High	9.2	13.21	18.38	12.86
	5-Year Low	4.38	5.27	6.5	8.25
	5-Year Median	6.78	7.43	10.45	10.86
	Current	10.61	18.08	15.54	22.19
P/E F12M	5-Year High	12.92	18.08	21.05	22.19
	5-Year Low	3.77	8.95	9.86	15.25
	5-Year Median	8.62	13.04	13.51	17.52
	Current	2.98	1.65	2.79	4.24
P/B TTM	5-Year High	6.47	3	3.07	4.56
	5-Year Low	1.44	0.88	1.23	2.83
	5-Year Median	4.91	1.76	2.2	3.69

As of 07/01/2020

#### Industry Analysis Zacks Industry Rank: Bottom 42% (145 out of 252) ■ Industry Price Industry ■ Price

# **Top Peers**

Company (Ticker)	Rec R	ank
Air Products and Chemicals, Inc. (APD)	Neutral	2
BASF SE (BASFY)	Neutral	4
Dow Inc. (DOW)	Neutral	3
Eastman Chemical Company (EMN)	Neutral	3
Huntsman Corporation (HUN)	Neutral	3
SINOPEC Shangai Petrochemical Company, Ltd. (SHI)	Neutral	3
Westlake Chemical Corporation (WLK)	Neutral	3
Exxon Mobil Corporation (XOM)	Neutral	3

Industry Comparison Industry: Chemical - Diversified				Industry Peers			
	LYB	X Industry	S&P 500	APD	EMN	WLK	
Zacks Recommendation (Long Term)	Neutral	-	-	Neutral	Neutral	Neutra	
Zacks Rank (Short Term)	3	-	-	2	3	3	
VGM Score	С	-	-	С	А	D	
Market Cap	21.89 B	2.36 B	21.87 B	53.83 B	9.34 B	6.76 B	
# of Analysts	5	3	14	7	8	5	
Dividend Yield	6.40%	1.97%	1.94%	2.20%	3.84%	1.98%	
Value Score	Α	-	-	С	В	С	
Cash/Price	0.09	0.11	0.07	0.04	0.07	0.23	
EV/EBITDA	5.84	7.27	12.69	15.63	8.12	7.11	
PEG Ratio	1.80	2.66	2.86	3.24	2.66	17.91	
Price/Book (P/B)	2.98	1.73	2.98	4.59	1.51	1.05	
Price/Cash Flow (P/CF)	4.62	6.30	11.63	18.50	5.84	5.99	
P/E (F1)	14.02	19.18	21.27	28.74	11.50	42.27	
Price/Sales (P/S)	0.65	0.74	2.27	6.00	1.02	0.84	
Earnings Yield	7.27%	5.11%	4.48%	3.48%	8.69%	2.36%	
Debt/Equity	1.82	0.66	0.76	0.28	0.87	0.74	
Cash Flow (\$/share)	14.19	3.41	6.94	13.17	11.76	8.84	
Growth Score	С	-	-	В	С	F	
Hist. EPS Growth (3-5 yrs)	-0.35%	9.93%	10.93%	4.81%	1.66%	1.53%	
Proj. EPS Growth (F1/F0)	-50.46%	-30.41%	-9.61%	3.29%	-16.20%	-61.60%	
Curr. Cash Flow Growth	-16.46%	-8.41%	5.51%	10.98%	-9.97%	-31.71%	
Hist. Cash Flow Growth (3-5 yrs)	-3.48%	6.32%	8.62%	5.70%	1.05%	3.87%	
Current Ratio	1.76	1.88	1.30	2.59	1.66	3.68	
Debt/Capital	64.71%	39.61%	44.46%	21.68%	46.58%	42.60%	
Net Margin	8.14%	4.88%	10.62%	21.66%	8.85%	6.16%	
Return on Equity	36.08%	12.72%	15.75%	16.36%	16.76%	6.41%	
Sales/Assets	1.09	0.79	0.55	0.46	0.56	0.61	
Proj. Sales Growth (F1/F0)	-25.63%	-7.92%	-2.57%	-0.64%	-11.91%	-11.38%	
Momentum Score	D	-	-	D	Α	Α	
Daily Price Chg	-0.17%	-0.21%	-0.32%	0.95%	-1.35%	-1.36%	
1 Week Price Chg	-4.76%	-4.59%	-3.90%	0.22%	-3.18%	-3.97%	
4 Week Price Chg	-6.94%	-3.83%	-4.56%	-1.90%	-4.38%	0.80%	
12 Week Price Chg	18.28%	16.77%	9.62%	12.97%	21.51%	26.39%	
52 Week Price Chg	-24.89%	-21.26%	-7.80%	5.34%	-11.61%	-22.34%	
20 Day Average Volume	2,707,965	128,626	2,688,665	997,865	1,306,036	728,298	
(F1) EPS Est 1 week change	-3.87%	0.00%	0.00%	0.00%	1.16%	2.45%	
(F1) EPS Est 4 week change	1.19%	0.00%	0.00%	0.00%	1.16%	2.45%	
(F1) EPS Est 12 week change	-30.21%	-17.51%	-9.63%	-8.49%	-10.72%	-45.61%	
(Q1) EPS Est Mthly Chg	6.33%	0.00%	0.00%	0.00%	2.48%	65.33%	

### **Zacks Stock Rating System**

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

#### **Zacks Recommendation**

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we have an excellent balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

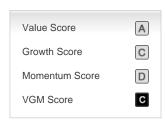
#### **Zacks Rank**

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

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The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.



As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

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