

## Finding Product Information on LYB.com

There are multiple ways to find product information on LYB.com. Following are examples of using the **Search Box** and the **Products & Technology** menu.

### 1. Use the Search Box

- Go to [www.LYB.com](http://www.LYB.com).
- Use the Search box to find **Product** or **Product Document** information such as Safety Data Sheets, Technical Data Sheets, Sales Specifications or Product Stewardship Bulletins.
  - For this example, type **Adflex** into the search box and either hit the return key or click the **Magnifying Glass** icon in the search box.



- The search results for **Adflex** will be displayed, including product information. Click any product link to visit the product page.

### Search Results

**Legend:** PSB: Product Stewardship Bulletin TDS: Technical Data Sheet SDS: Safety Data Sheet

Your search returned **44** results for "Adflex".

| Products (23) General Content (21) |     |     |     |             |                      |                              |
|------------------------------------|-----|-----|-----|-------------|----------------------|------------------------------|
| SHOWING 1-10 OF 23 1 2 3 > >>      |     |     |     |             |                      |                              |
| PRODUCT NAME                       | PSB | TDS | SDS | SALES SPECS | Melt Flow (g/10 min) | Density (g/cm <sup>3</sup> ) |
| <a href="#">Adflex Z 108 S</a>     | ✓   | ✓   | ✓   | N/A         | 27 (230°C/2.16 kg)   | 0.89 (23°C, Method A)        |
| <a href="#">Adflex Q 300 F</a>     | ✓   | ✓   | ✓   | N/A         | 0.80 (230°C/2.16 kg) | 0.89 (23°C, Method A)        |

Narrow results by:

**Availability**

- ☐ Africa-Middle East (15)
- ☐ Asia-Pacific (15)
- ☐ Australia and New Zealand (15)

### 2. Use the Products & Technology Menu

- Go to [www.LYB.com](http://www.LYB.com).
- Hover the cursor over the **Products & Technology** menu item.



- The **Products & Technology** menu will display. Click Polymers, Chemicals, Fuels or Technology depending on the type of product you are looking for. For this example, we will choose **Polymers**.



- The **Polymers** page will display. For this example, click **Trade Name** and then **Adflex**.

## Polymers

LyondellBasell is the world's largest producer of polypropylene and polypropylene compounds, as well as a top worldwide producer of polyethylene. We also produce significant quantities of high-value specialty polymers, such as Catalloy process resins, Wire and Cable grades, *Plexar* tie layer resins and Polybutene-1 (PB-1). LyondellBasell works diligently to bring innovative resins to the market as quickly as possible. We continuously develop new opportunities for polyolefins to replace other polymers and alternative materials by offering properties and performance characteristics that are unmatched in the industry.

[» CustomerXPRESS Login](#)

[» Find a Sales Contact](#)

[» HANDLING AND STORAGE OF POLYMERS PRODUCTS \(PDF\)](#)

Find our products by:

Resin Type

Processing Method

Market

Application

**Trade Name**

► **Adflex**

► Adstif

► Adsyl

► Akoafloor

► Akoalit

► Alathon

- The **Adflex** page will be displayed, including product information. Click any product name to visit the product page.

## Adflex

Adflex resins are advanced reactor TPO's produced using proprietary Catalloy process technology from LyondellBasell. Adflex resins are very soft, flexible rTPO resins used in specialty films, stretch hood, as a blend component to improve impact performance, extrusion coating, textiles, bitumen modification and consumer applications. Furthermore, Adflex resins exhibit excellent impact performance at room and low temperatures, outstanding haptics and soft touch.

[» CATALLOY TPO RESINS BROCHURE \(EU\)](#)

[» PRODUCT SELECTION GUIDE - CATALLOY TPO RESINS \(EAI\)](#)

[» CustomerXPRESS Login](#)

[» Request Product Information](#)

[» Find a Sales Contact](#)

**Legend:** **PSB:** Product Stewardship Bulletin **TDS:** Technical Data Sheet **SDS:** Safety Data Sheet

SHOWING 1-10 OF 21

1 2 3 > »

Browsing: Polymers

Viewing products in:

Adflex

Narrow results by:

| PRODUCT NAME                    | PSB | TDS | SDS | Melt Flow (g/10 min) | Density (g/cm <sup>3</sup> ) |
|---------------------------------|-----|-----|-----|----------------------|------------------------------|
| <a href="#">Adflex 7813 XCP</a> |     |     |     | <10 (230°C/2.16 kg)  | 0.88 (23°C, Method A)        |
| <a href="#">Adflex 7834 XCP</a> |     | N/A | N/A | N/A                  | N/A                          |

## Available Product Information

- Access the following information, if available:
  - Click the **Product Name** link to display the product detail page.
  - Click the link icon to access the **PSB**, **TDS** or **SDS**. **N/A** will display if the document is not available for this product.
  - Melt flow and density values will display for Polymers product listing pages. **N/A** will display if the information is not applicable for this product.
  - If available, click the link icon with drop-down arrow . The drop-down arrow signifies this document is available in multiple versions, some of which may be region specific. A user must be logged in to view a PSB.
  - The number of products displayed and total number of products is shown on the top and bottom of the page.
  - Click the page navigation to navigate through additional pages on the product list.

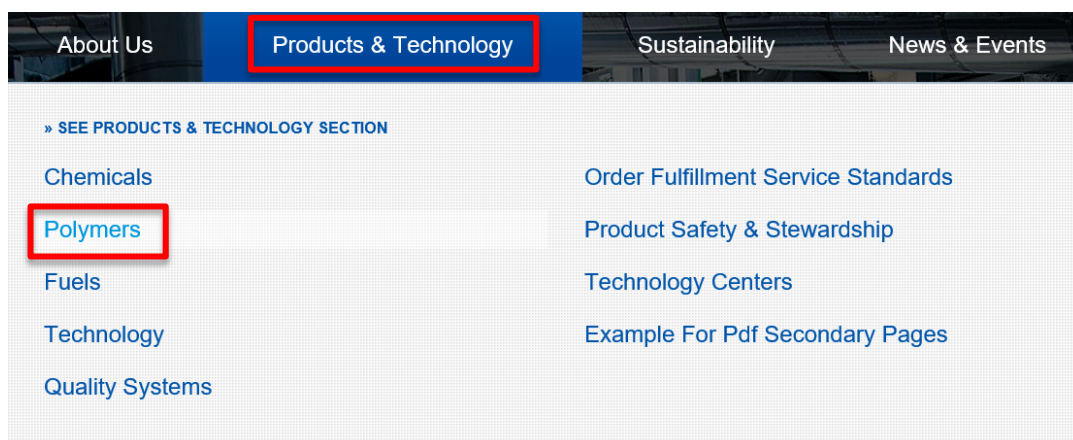
5 SHOWING 1-10 OF 29 6 1 2 3 > >>

| PRODUCT NAME                    | PSB | TDS | SDS | Melt Flow (g/10 min) | Density (g/cm <sup>3</sup> ) |
|---------------------------------|-----|-----|-----|----------------------|------------------------------|
| 1 <a href="#">Alathon H6012</a> | 2   |     |     | 12 (190°C/2.16 kg)   | 0.960 (23°C)                 |
| <a href="#">Alathon H6018</a>   | 4   |     |     | 3 18 (190°C/2.16 kg) | 0.960 (23°C)                 |
| <a href="#">Alathon L4434</a>   | N/A |     |     | 0.34 (190°C/2.16 kg) | 0.944 (23°C)                 |

## Use Filters to Refine a Product Search

**Scenario 1:** Use filtering to find **Polymers** products with **Resin Type = LLDPE**, **Availability = North America** and **Processing Method = Compounding**.

- Go to [www.LYB.com](http://www.LYB.com).
- Hover the cursor over the **Products & Technology** menu item. A submenu of links will display.
- For this example, click the **Polymers** link.



- The **Polymers** page will display.

## Polymers

LyondellBasell is the world's largest producer of polypropylene and polypropylene compounds, as well as a top worldwide producer of polyethylene. We also produce significant quantities of high-value specialty polymers, such as Catalloy process resins, Wire and Cable grades, *Plexar* tie layer resins and Polybutene-1 (PB-1). LyondellBasell works diligently to bring innovative resins to the market as quickly as possible. We continuously develop new opportunities for polyolefins to replace other polymers and alternative materials by offering properties and performance characteristics that are unmatched in the industry.

[» CustomerXPRESS Login](#)

[» Find a Sales Contact](#)

[» HANDLING AND STORAGE OF POLYMERS PRODUCTS \(PDF\)](#)

Find our products by:

Resin Type

Processing Method

Market

Application

Trade Name

- Click the **Resin Type** menu and click **LLDPE**.

Find our products by:

**Resin Type** Processing Method Market Application Trade Name

|                              |              |                |
|------------------------------|--------------|----------------|
| ▶ Catalloy                   | ▶ EVA        | ▶ HDPE         |
| ▶ HMW HDPE                   | ▶ LDPE       | ▶ <b>LLDPE</b> |
| ▶ Metallocene PP Homopolymer | ▶ PE Powders | ▶ Polybutene-1 |

- The **LLDPE** page will display.

## LLDPE

LyondellBasell produces *Petrothene* linear low density polyethylene (LLDPE) at two manufacturing locations; these products are used in film, molding, compounding, and broad molecular weight LLDPE applications.

[» CustomerXPRESS Login](#)

[» Find a Sales Contact](#)

[» Request Product Information](#)

[» HIGH PERFORMANCE LLDPE BASED FORMULATIONS FOR BLOW](#)

[» TECH & COMP DATA ON PE BROAD MOLECULAR WEIGHT](#)

[» SELECTING LLDPE FOR DOWN-GAUGED FILMS](#)

[» TECH TOPIC: MINIMIZE OXIDATION](#)

[» TECH TOPIC: INJECTION MOLDING START-UP FOR LLDPE](#)

- Narrow results by applying filters in the right-hand part of the page. Under the **Availability** section, check **North America**.

**Browsing: Polymers**

Viewing products in:

LLDPE

Narrow results by:

**Availability**

- ☐ Africa-Middle East (1)
- ☐ Asia-Pacific (1)
- ☐ Australia and New Zealand (1)
- ☐ Europe (2)
- ☒ North America (48)
- ☐ South & Central America (1)

- Under the **Processing Method** section, check **Compounding**. Click the **See More** link to display additional choices, if available.

**Processing Method**

- ☐ Blown Film (19)
- ☐ Cast Film (8)
- ☒ Compounding (6)
- ☐ Extrusion Blow Molding (2)
- ☐ Extrusion Coating (1)
- ☐ Injection Molding (11)

[» SEE MORE](#)

- Results will be displayed filtered by **Compounding** products available in **North America**. Review and change **Active Filters** as needed.

SHOWING 1-6 OF 6

| PRODUCT NAME                        | PSB | TDS | SDS | Melt Flow (g/10 min) | Density (g/cm <sup>3</sup> ) |
|-------------------------------------|-----|-----|-----|----------------------|------------------------------|
| <a href="#">Petrothene GA502019</a> | N/A | N/A |     | 2.0 (190°C/2.16 kg)  | 0.918 (23°C)                 |
| <a href="#">Petrothene GA502024</a> |     |     |     | 2.0 (190°C/2.16 kg)  | 0.918 (23°C)                 |
| <a href="#">Petrothene GA502119</a> |     |     |     | 2.0 (190°C/2.16 kg)  | 0.918 (23°C)                 |

**Browsing: Polymers**

Viewing products in:

LLDPE

**Active Filters:**

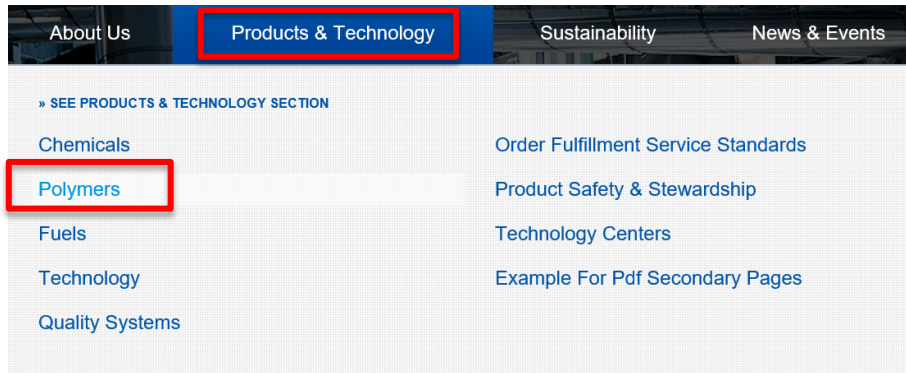
North America [CLEAR](#)

Compounding [CLEAR](#)

[CLEAR ALL](#)

**Scenario 2:** Use filtering to find **Polymers** products with **Resin Type = HDPE** and **Processing Method = Blown Film or Cast Film**.

- Go to [www.LYB.com](http://www.LYB.com).
- Hover the cursor over the **Products & Technology** menu item. A submenu of links will display.
- For this example, click the **Polymers** link.



- The **Polymers** page will display.

## Polymers

LyondellBasell is the world's largest producer of polypropylene and polypropylene compounds, as well as a top worldwide producer of polyethylene. We also produce significant quantities of high-value specialty polymers, such as Catalloy process resins, Wire and Cable grades, *Plexar* tie layer resins and Polybutene-1 (PB-1). LyondellBasell works diligently to bring innovative resins to the market as quickly as possible. We continuously develop new opportunities for polyolefins to replace other polymers and alternative materials by offering properties and performance characteristics that are unmatched in the industry.

[» HANDLING AND STORAGE OF POLYMERS PRODUCTS \(PDF\)](#)

[» CustomerXPRESS Login](#)

[» Find a Sales Contact](#)

Find our products by:

Resin Type

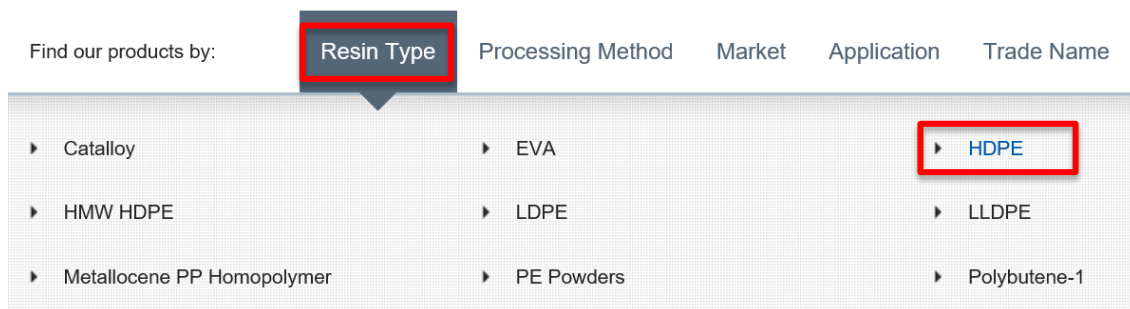
Processing Method

Market

Application

Trade Name

- Click the **Resin Type** menu and click **HDPE**.



- The **HDPE** page will display.

## HDPE

High density polyethylene (HDPE) resins from LyondellBasell are thermoplastics made from the polymerization of ethylene in gas phase, slurry or solution reactors. Polymerization takes place under low-pressure conditions with the support of catalysts. HDPE is characterized by a linear polymer chain with few branches, and contains smaller amounts of comonomers such as butene, hexene or octene.

HDPE grades are used in a variety of processing techniques such as extrusion, extrusion blow molding, injection and rotational molding. HDPE forms the largest product family in polyethylene, and is used in numerous customer applications such as pipe, plastic fuel tanks, industrial packagings, bottles, healthcare articles, containers, toys, films, tapes and fibers.

» CustomerXPRESS Login

» Find a Sales Contact

» Request Product Information

- Narrow results by applying filters in the right-hand part of the page. Under the **Processing Method** section, check **Blown Film** or **Cast Film**. Click the **See More** link to display additional choices, if available.

### Browsing: Polymers

Viewing products in:

HDPE

Narrow results by:

**Availability** ▼

**Processing Method** ▲

☐ Blown Film (25)
 ☐ Cast Film (5)
 ☐ Compounding (1)
 ☐ Compression Molding (4)
 ☐ Extrusion Blow Molding (54)
 ☐ Extrusion Coating (2)

» SEE MORE



- Results will be displayed filtered by **Blown Film** or **Cast Film**. Review and change **Active Filters** as needed.

SHOWING 1-10 OF 25

1 2 3 > >>

| PRODUCT NAME                  | PSB | TDS | SDS | Melt Flow (g/10 min) | Density (g/cm <sup>3</sup> ) |
|-------------------------------|-----|-----|-----|----------------------|------------------------------|
| <a href="#">Alathon L4434</a> | N/A | Ø   | Ø   | 0.34 (190°C/2.16 kg) | 0.944 (23°C)                 |
| <a href="#">Alathon L4550</a> | N/A | Ø   | Ø   | 0.45 (190°C/2.16 kg) | 0.945 (23°C)                 |
| <a href="#">Alathon L5045</a> | Ø   | Ø   | Ø   | 0.45 (190°C/2.16 kg) | 0.950 (23°C)                 |

Browsing: Polymers

Viewing products in:

HDPE

Active Filters:

Blown Film

CLEAR ALL

CLEAR

**Scenario 3:** Use filtering to find **Polymers** products with **Availability = Europe**, **Market = Automotive**, **Processing Method = Injection Molding** and **Application = Interior Automotive Applications** and/or **Instrument Panels**.

- Go to [www.LYB.com](http://www.LYB.com).
- Hover the cursor over the **Products & Technology** menu item. A submenu of links will display.
- For this example, click the **Polymers** link.

About Us

Products & Technology

Sustainability

News & Events

» SEE PRODUCTS & TECHNOLOGY SECTION

Chemicals
Polymers
Fuels
Technology
Quality Systems

Order Fulfillment Service Standards
Product Safety & Stewardship
Technology Centers
Example For Pdf Secondary Pages

- The **Polymers** page will display.

## Polymers

LyondellBasell is the world's largest producer of polypropylene and polypropylene compounds, as well as a top worldwide producer of polyethylene. We also produce significant quantities of high-value specialty polymers, such as Catalloy process resins, Wire and Cable grades, *Plexar* tie layer resins and Polybutene-1 (PB-1). LyondellBasell works diligently to bring innovative resins to the market as quickly as possible. We continuously develop new opportunities for polyolefins to replace other polymers and alternative materials by offering properties and performance characteristics that are unmatched in the industry.

[» HANDLING AND STORAGE OF POLYMERS PRODUCTS \(PDF\)](#)

[» CustomerXPRESS Login](#)

[» Find a Sales Contact](#)

Find our products by:

Resin Type

Processing Method

Market

Application

Trade Name

- Click the **Market** menu and click **Automotive**:

Find our products by:

Resin Type

Processing Method

Market

Application

Trade Name

▶ Automotive

▶ Coupling Agents

▶ Healthcare

▶ Outdoor Equipment

▶ Compounding

▶ Electrical - Electronics

▶ Industrial Packaging

▶ Pipe

▶ Consumer Products

▶ Flexible Packaging

▶ Industrial, Building & Construction

▶ Rigid Packaging

- The **Automotive** page will display.

## Automotive

Whether it is bumpers, instrument panels, interior trims, under-the-hood applications or structural parts and body panels – the versatility and economics of LyondellBasell's advanced polypropylene creates customer opportunities for cost-effective and innovative design concepts that can enhance both passenger safety, comfort and quality. Our low density and high flow products can help improve fuel economy and reduce final part costs. Polypropylene has become the most important thermoplastic material in an automobile, with an average utilization of 70 kg per vehicle, including compounds and resins.

[» ADVANCED POLYOLEFINS FOR THE AUTOMOTIVE SECTOR](#)

[» CustomerXPRESS Login](#)

[» Find a Sales Contact](#)

[» Request Product Information](#)

- Narrow results by applying filters in the right-hand part of the page. Under the **Availability** section, check **Europe**.

**Browsing: Polymers**

Viewing products in:

Automotive

Narrow results by:

**Availability**

|  |       |
|--|-------|
| <input type="checkbox"/> Africa-Middle East        | (38)  |
| <input type="checkbox"/> Asia-Pacific              | (40)  |
| <input type="checkbox"/> Australia and New Zealand | (34)  |
| <input type="checkbox"/> Europe                    | (623) |
| <input type="checkbox"/> North America             | (379) |
| <input type="checkbox"/> South & Central America   | (24)  |

- Under the **Processing Method** section, check **Injection Molding**. Click the **See More** link to display additional choices, if available.

**Processing Method**

|   |      |
|---|------|
| <input type="checkbox"/> Blown Film             | (19) |
| <input type="checkbox"/> Cast Film              | (8)  |
| <input type="checkbox"/> Compounding            | (6)  |
| <input type="checkbox"/> Extrusion Blow Molding | (2)  |
| <input type="checkbox"/> Extrusion Coating      | (1)  |
| <input type="checkbox"/> Injection Molding      | (11) |

[» SEE MORE](#)

- Under the **Application** section, check **Internal Automotive Applications**. Click the **See More** link to display additional choices, if available.

Application

☐Automotive Parts (59)  
☐Battery Cases (3)  
☐Body Panels (2)  
☐Bumpers (131)  
☐Caps & Closures (1)  
☐Containers (1)  
☐Crates (1)  
☐Exterior Automotive Applications (185)  
☐Film Wrap (1)  
☐Fuel Tanks (4)  
☐Furniture (2)  
☐Housewares (11)  
☐Industrial (14)  
☐Instrument Panels (97)  
☐Interior Automotive Applications (356)

- Return to the **Application** section and check **Instrument Panels**.

Application

☐Instrument Panels (25)  
☒Interior Automotive Applications (301)

- Results will be displayed. Review and change **Active Filters** as needed.

SHOWING 1-10 OF 370

1 2 3 > >>

| PRODUCT NAME                         | PSB | TDS | SDS | Melt Flow (g/10 min) | Density (g/cm <sup>3</sup> ) |
|--------------------------------------|-----|-----|-----|----------------------|------------------------------|
| <a href="#">HIFAX BB 73 G C12716</a> |     |     |     | 21 (230°C/2.16 kg)   | 1.06 (23°C)                  |
| <a href="#">Hifax EKC 112X 3001</a>  | N/A |     |     | 6 (230°C/2.16 kg)    | 1.03 (23°C)                  |
| <a href="#">Hifax EKC 112X BLACK</a> | N/A |     |     | 6 (230°C/2.16 kg)    | 1.03 (23°C)                  |

Browsing: Polymers

Viewing products in:

Automotive

Active Filters:

Europe

Injection Molding

Interior Automotive Applications

Instrument Panels

CLEAR ALL

CLEAR

CLEAR

CLEAR

## Additional Information on Filters

### Case 1:

- **Availability = North America**
- **Application = Automotive Parts**

The results returned would be for products that were only available in North America **AND** for Automotive Parts. (For example: The Blue circle is Availability = North America. The Red circle is Application = Automotive Parts. The results returned would be only those items in the yellow highlighted area.)



### Case 2:

- **Availability = North America**
- **Application = Automotive Parts, Bumpers**

When adding the bumpers application filter to the above scenario, the results returned are for products that are only available in North America **AND** either Automotive Parts **OR** Bumpers. (For example: The Blue circle is Availability = North America. The Red circle is Application = Automotive Parts. The Green circle is Application = Bumpers. The results returned would be only those items in the yellow highlighted area.)

