

POLYMERS

# RELIABILITY+ COMMITTMENT

BLOW MOLDING



## POLYMERS

# FOOD AND DAIRY PACKAGING SOLUTIONS

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### SABIC is:

- One of the industry leaders in the fresh milk packaging market with grades SUCH as SABIC® HDPE B6246LS and SABIC® HDPE BM6246LS
- Expanding into the multilayer UHT and sterilized milk bottles market with SABIC® HDPE B5260ULS
- Offering the optimum solution for milk bottles in terms of organoleptics and recyclability
- A reliable and committed supplier with interchangeable materials from multiple global production assets



## POLYMERS

# BRIGHT & WHITE PACKAGING SOLUTIONS

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### SABIC® HDPE CLARENE: clearly a difference

The role and attractiveness of packaging in the marketing mix has become more important than ever for brand owners. SABIC® HDPE CLARENE supports brand owners to create attractive and differentiated packaging materials that have a high shelf appeal and support a positive brand awareness.

### SABIC offers:

- A product range for injection, blow, compression and extrusion processes
- SABIC® HDPE CLARENE technology to be used in existing molds and applications
- Outstanding optical performance:
  - Can be considered best-in-class in brightness and whiteness of HDPE material
  - Manufacturing consistency
- Good recycling performance



## POLYMERS

# HOUSEHOLD AND PERSONAL CARE SOLUTIONS

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SABIC's high performing range of multimodal grade solutions for bottles and containers within household, industrial and chemical (HIC) applications, including SABIC® HDPE Vestolen A BI5822 and SABIC® HDPE Vestolen A BI5828, deliver superior environmental stress-cracking resistance (ESCR).

ESCR measured with comparable bi- & multimodal materials currently used in the market is potentially doubled. In addition, you have the possibility to enhance the production efficiency of your process to produce high performing, stiff, lightweight and robust products.

### SABIC offers:

- SABIC® HDPE Vestolen A BI5822 and SABIC® HDPE Vestolen A BI5828 for blow molding of small bottles (< 5 L)
- Continuing developments in the multimodal segment using proprietary and advanced technologies to form the basis of a global partnership
- SABIC® HDPE B5823 and SABIC® HDPE B5421 leading monomodal benchmark grades for blow molding applications
- Reliability in supply and commitment to our partners with interchangeable materials from multiple global production assets



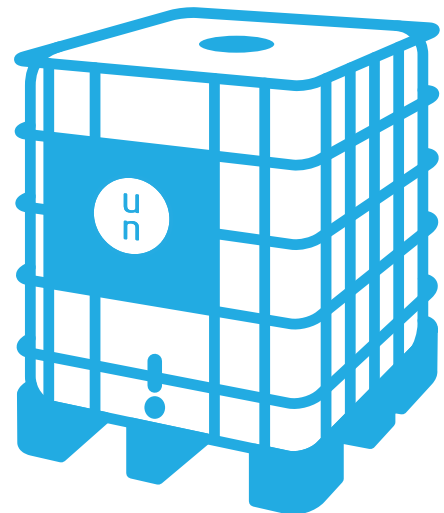
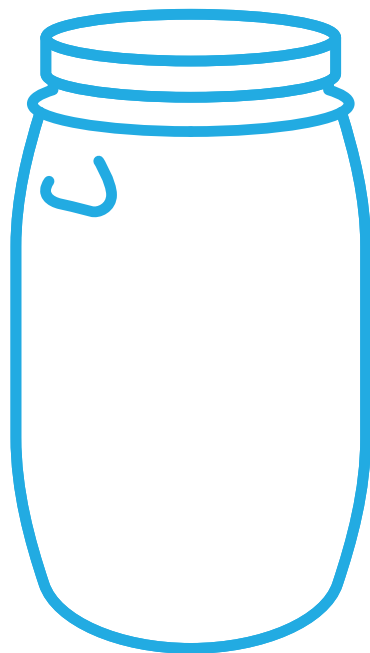
## POLYMERS

# INDUSTRIAL CONTAINER SOLUTIONS

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SABIC is:

- Offering the whole portfolio of materials covering jerry cans, tight & open head drums as well as intermediate bulk containers
- One of the industry leaders supplying material solutions for industrial packaging of dangerous goods
- Your partner for large containers for food packaging ranging from >5 L up to 1.000 L and more
- Developing mono- and multimodal HDPE to meet current and future industrial containers' requirements



# POLYMERS

## SABIC PORTFOLIO OF SOLUTIONS FOR BLOW MOLDING

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SABIC® HDPE typically used for small bottles and containers (< 5 l)

Grades	Density	MFR21	Applications
B5260LS	952	60	Food Packaging (Dairy) for multi-layer-bottles
B(M)6246LS	962	46	Food Packaging (Dairy) with high stiffness
B5933	959	33	Improved processability for HIC & PC
B5429	954	29	Household and Industrial Chemicals (HIC) & Personal Care (PC)
B5823	958	23	Best-in-class performance for HIC & PC
B5421	954	20	Best-in-class performance for HIC & PC
B5411	954	11	Improved ESCR for HIC & PC
Vestolen A BI5828	958	28	Superior ESCR for HIC & PC with good processability
B5822	958	22	Superior ESCR for HIC & PC with good processability
Vestolen A BI5822	958	22	Superior ESCR for HIC & PC with good processability

SABIC® HDPE typically used for healthcare/pharmaceutical blow molded bottles

Grades	Density	MFR21	Applications
PCG5421	954	20	Pharma small bottles

# POLYMERS

## SABIC PORTFOLIO OF SOLUTIONS FOR BLOW MOLDING

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### SABIC® HDPE typically used for jerry cans and industrial containers (> 5 L)

Grades	Density	MFR21	Applications
B5210	952	9	Containers also for UN certification
B5205	952	4.5	Containers also for UN certification
B5202	952	2	Containers also for UN certification
ICP4907 (S/F)	949	7	Industrial Bulk Containers and fuel tanks
ICP5008	949	7	Fluorinated containers
ICP5703	956	3.1	Open head & tight head drums
ICP5602	956	2.3	Open head & tight head drums
B1054	954	9.5	Containers also for UN certification
B5206	952	6.5	Containers also for UN certification
B5403	954	2.7	Open head & tight head drums

### SABIC® HDPE typically used for flexible / squeeze-able tubes and containers (< 5 L)

Grades	Density	MFR21	Applications
F4520	945	20	Flexible bottles and tubes with good processability

### SABIC® PP typically used for blow molding

Grades	Density	MFR2	Applications
QR681K	905	2.2	High transparency HIC & PC

# A PARTNER FOR GROWTH

## SABIC PORTFOLIO OF SOLUTIONS FOR BLOW MOLDING

### MEETING YOUR NEEDS

Whether you are looking for excellent organoleptic properties or other properties such as ESCR for chemical products, SABIC offers a relevant solution for your needs within our extended blow molding portfolio. In addition to our broad range of SABIC® HDPE and SABIC® PP grades in this portfolio, we also offer healthcare grades specifically suited to blow molding applications.

### COMMITTED TO YOUR MARKET

By broadening our portfolio of value solutions with a bi- & multimodal HDPE range, we are building on our position as one of the leaders in HDPE bottle solutions (Dairy and Household Chemicals), as well as strengthening our position in the industrial containers segment. We very much look forward to partnering with you, to further understand and help to power your ambitions, and work on yet more innovative and competitive solutions for the future, together.

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#### TYPICAL APPLICATIONS

- Food and dairy packaging
- Industrial containers
- Shampoo and cosmetic bottles
- Bleach bottles
- Jerry cans
- Detergent bottles

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#### BROAD PRODUCT PORTFOLIO WITH SECURITY OF SUPPLY

- Easy processing unimodal grades with long track record
- High ESCR bimodal, more than double compared to market references
- Full food, healthcare & regulatory compliance





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