

POLYMERS

# INNOVATIVE+ EFFICIENT

PACKAGING

THIN WALL PACKAGING



## POLYMERS

# SABIC THIN WALL PACKAGING SOLUTIONS

SABIC is an innovator in the plastics industry and one of the world's leading suppliers of polypropylene for the Thin Wall Packaging industry with global presence.

Today, processors are faced with increased market requirements for convenience, safety and cost efficiency. In addition to looking good, packaging has to keep products fresher longer while preserving their taste and smell. Moreover, being lighter, reusable and complying with stringent food and safety regulations also need to be offered. So it is essential to manufacture packaging that meets these requirements in the most cost-effective and energy-efficient way.

SABIC understands the industry's specific challenges. We respond by creating innovative packaging solutions to ensure your success. You can rely on SABIC grades for optical and mechanical performance, good conversion efficiency and value for money.



### THERMOFORMING

SABIC® PP 526K, PP 527K and Clearpact CPC04C deliver numerous processing and aesthetic benefits for converters specializing in thermoforming.

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#### SABIC® PP 526K AN ALL-ROUNDER

SABIC® PP 526K offers even shrinkage and is virtually resistant to deforming during conversion. Combining this dimensional stability with rapid cooling, it provides a faster cycle time for improved processing speed.

This grade is typically used by the dairy market in products like yogurt and drinking cups, butter trays and packaging that tends to warp.

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#### SABIC® PP 527K ALL CLEAR

SABIC® PP 527K meets the highest clarity and top load requirements. Its high rigidity contributes to weight optimization in packaging, while the transparency enables customers' branding to be easily applied. This grade is typically suitable for fruit, vegetable, meat, fish, poultry and ambient food packaging.

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#### SABIC® PP CLEARPACT CPC04C HOT AND COLD

SABIC® PP Clearpact CPC04C is typically used for frozen and cold food packaging applications. With its innovative balance of polymer properties, this grade provides transparency and impact resistance. These features have been combined with processing and antistatic additives to deliver efficiencies during production.

It is also typically suited for applications such as microwave meals that have to be able to resist heat.

In addition to the broad product mix offered for thin wall packaging applications, there are also some grades with specific property profiles for more demanding requirements combined with conversion cost savings potential.

### INJECTION MOULDING

PRODUCT NAME	TYPE	MFR 230°C/ 2.16 KG (G/10 MIN)	MAIN CHARACTERISTICS
412MN40	PP Block copolymer	37	Good flow behavior, impact
513MKN40	PP Block copolymer	70	High flow, good properties balance
FLOWPACT FPC55	PP Block copolymer	55	High flow, excellent impact/stiffness balance, fast processing
FLOWPACT FPC100	PP Block copolymer	100	Very high flow, good properties balance, fast processing
FLOWPACT FPH50	PP homopolymer	50	High flow, enhanced transparency at higher stiffness
CLEARPACT CPC35C	PP Block copolymer	33	Cold impact in combination with transparency
QRYSTAL QR673K	PP Random	25	Excellent transparency, good properties balance
QRYSTAL QR674K	PP Random	40	Excellent transparency, good flow behavior and stiffness
QRYSTAL QR675K	PP Random	60	High flow, excellent transparency
QRYSTAL QR678K	PP Random	80	Very high flow, excellent transparency

### THERMOFORMING

PRODUCT NAME	TYPE	MFR 230°C/ 2.16 KG (G/10 MIN)	MAIN CHARACTERISTICS
CLEARPACT CPC04C	PP Block copolymer	4	Cold impact in combination with transparency
83MF10	PP Block copolymer	1.8	Enhanced impact behavior
56M10	PP Block copolymer	6	Enhanced impact behavior
680K	PP Random	1.7	Improved cold impact and transparency
526K	PP homopolymer	3	Good transparency and dimensional robustness
527K	PP homopolymer	3	Enhanced transparency at higher stiffness
500P	PP homopolymer	3	Allround thermoforming grade, translucent
525P	PP homopolymer	3	Allround thermoforming grade, translucent

### INJECTION MOLDING

SABIC® PP Qrystal and SABIC® PP Flowpact are typically used by our customers in caps and closures, housewares, kitchenware and food packaging, among other injection molded applications. These grades deliver numerous processing benefits, such as significant energy savings, which help to decrease end products' carbon footprint.

#### SABIC® PP FLOWPACT

The SABIC® PP Flowpact range includes 3 grades. Specifically designed to improve conversion economics, shorter cycle times, lower energy costs and increased downgauging possibilities make it easier for converters to produce thin walled parts more consistently. These plastics have good stiffness, flow behavior and antistatic properties, which enable easy mold filling and demolding.

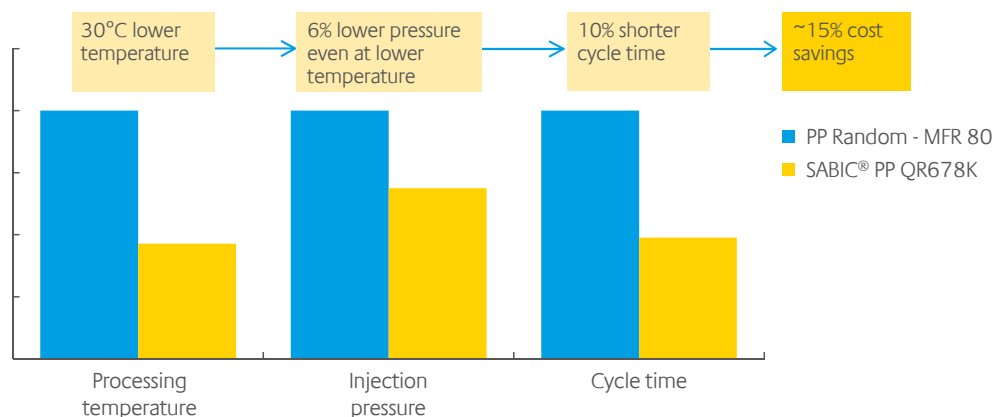
#### SABIC® PP QRYSTAL

With 4 high-quality grades, the SABIC® PP Qrystal range combines high transparency, gloss and antistatic properties with strength and stiffness.

Its good flow behavior means processing can be done at significantly lower temperatures without increasing injection pressure or affecting aesthetics. This reduces the cycle time, energy consumption and ultimately, production costs.

Figure showing an application performance of SABIC® PP QR678K vs. another MFR 80 resin. (0,6L TWP container, 4 cavity mould). The better flow behavior of the SABIC® PP QR678K allows the converter to optimize the molding conditions for cost savings.

#### SABIC® PP QR678K



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SABIC's local sales teams are dedicated to offering you the best product solutions with expert technical and compliance advice. For further information on our portfolio of Thin Wall Packaging solutions, please go to [www.sabic.com](http://www.sabic.com) or contact us.

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