

POLYMERS

# RELIABLE+ RESISTANT

SABIC® PP PIPE

Building and construction  
solutions



# SABIC POLYPROPYLENE BUILDING AND CONSTRUCTION

SABIC has over 30 years of experience in the pipe market and is one of the leading suppliers of polypropylene pipe (PP) materials. An early innovator, SABIC developed the first PP random (PPR) pressure pipe grade ever introduced to the market.

## SABIC® VESTOLEN P 9421

- Our customers depend on SABIC® Vestolen P 9421 for its quality and long-term reliability in sanitary piping. Pressure pipes made of this durable PP random copolymer grade have been used in daily life for over 30 years, longer than any other PPR grade.
- Strong and well engineered, SABIC® Vestolen P 9421 has been continuously tested for hydrostatic pressure resistance at our accredited laboratory in Gelsenkirchen (Germany) since 1980.
- SABIC® Vestolen P 9421 is the material of choice for typical pipe installations (hot or cold water supply) requiring strength, durability and ease of installation. Certified to DVGW W270 and KTW standards, it is approved for drinking water applications.
- SABIC's proven stabilization technology makes the material corrosion-free and resistant to thermo-oxidative degradation.
- SABIC® Vestolen P 9421 meets universal ISO EN 15874 and ISO 3213 standards and defined reference lines at 20C, 70C, 95C and 110C.
- This PP solution is typically suitable for standardized hot water applications and is commonly used by our customers in customized applications.
- Easy to handle, SABIC® Vestolen P 9421 can be processed on conventional machines.

- The pipes are installed using connectors or by fusing, this minimizes water leakage\* in pipe networks.
- Available in a variety of colors, the end product can be customized for your specific requirements.
- Conserving water benefits the environment.

## SABIC® PP 71EK7 1PS

- Leading converters have named SABIC® PP 71EK7 1PS "Best in Class" because of its performance. The product supports optimal output rates for converters and is a durable choice for typical underground drainage and sewage and waste water systems. It can convey a wide range of media.
- A strong and versatile material, SABIC® PP 71EK7 1PS is typically used for solid pipe extrusion, as well as corrugated pipes. It matches the stringent EN 13476-1 and EN 1852 quality and safety requirements
- SABIC® PP 71EK7 1PS's thermo-oxidative resistance protects against corrosion and could be well suited for environmentally sensitive applications (reduces the risk of sewage or waste water leaking into the ground). The high resistance also supports a long product lifetime.
- The wide processing window allows easy production.
- Pipes produced with SABIC® PP 71EK7 1PS have high impact resistance and withstand difficult installation conditions, even low temperatures.

Flexibility reduces failures under load or in case of ground/soil movement.

- SABIC® PP 71EK7 1PS is low weight and contains no mineral fillers, making it easy to handle and install.

## MADE FOR YOUR DEMANDING REQUIREMENTS

- The following listing provides specifications for SABIC® PP grades typically suitable for extrusion of pipes.
- As a trusted partner, SABIC puts its technical and logistics expertise to work to ensure your satisfaction and success. Our sales representatives are at your service to provide assistance and information about our Polypropylene Pipe Solutions.

To learn more about SABIC's full portfolio of PP and PE grades for the pipe industry, please go to [www.sabic.com](http://www.sabic.com)

Disclaimer. The information contained herein may include typical properties of our products or their typical performances when used in certain typical applications. Actual properties of our products, in particular when used in conjunction with any third party material(s) or for any non-typical applications, may differ from typical properties. It is the customer's responsibility to inspect and test our product(s) in order to satisfy itself as to the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use, processing and handling of all product(s) purchased from us. Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or fitness for a particular purpose. SABIC Europe as referred to herein means any legal entity belonging to the SABIC Europe group of companies.

SABIC® PP GRADE	COLOUR	MFR (g/10 min)	E MODULUS FLEXURAL (MPa)	CHARPY IMPACT NOTCHED (kj / m²)	TENSILE STRESS AT YIELD (MPa)	APPLICATIONS CHARACTERISTICS
<b>HOMOPOLYMER</b>						
531P	NATURAL	0,3	1500	8,5	43	WASTE WATER
<b>IMPACT COPOLYMER</b>						
71EK71PS	NATURAL	0,3	1500	70	35	SEWAGE
83EK10	NATURAL	1,2	1300	40	28	CONDUIT, IM COUPLINGS
<b>RANDOM COPOLYMER</b>						
VESTOLEN P 9421	VARIOUS	0,3	900	25	27	SANITARY, PRESSURE