

PRODUCT INFORMATION

Hostalen CRP 100 RESIST CR black

The PE 100 material for non-conventional pipe installation



Photo courtesy of FRANK GmbH

Hostalen CRP 100 RESIST CR black is a high density polyethylene (HDPE) PE 100 compound with high melt viscosity for extrusion, injection and compression molding. This compound was specifically designed to provide superior resistance to stress cracking to address customer requirements for non-conventional pipe installation methods. Hostalen CRP 100 RESIST CR black is classified as PE-100 RC and provides excellent long-term hydrostatic strength. From ISO 9080 evaluation, a lifetime of 100 years even at 40°C can be concluded.

In addition, Hostalen CRP 100 RESIST CR black has demonstrated outstanding resistance to rapid crack propagation in the S4-test with a high wall thickness pipe. It meets all requirements of the international standards for PE pressure piping systems: ISO 4427/EN 12201 for water, ISO 4437/EN 1555 for gas and AS NZS 4131.

Product Benefits

- Excellent long-term hydrostatic strength
- Outstanding resistance to rapid crack propagation
- Improved durability due to high resistance to slow crack growth and additional external point loads
- Reduced installation costs by trenchless installation or pipe laying without sand embedding
- Excellent processability with low die deposit build-up
- Good weldability

Some typical applications



Drinking water pipe



Gas pipe



Industrial pipe

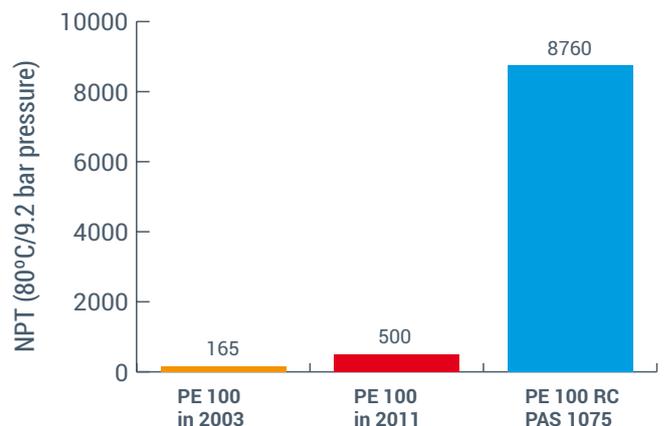


Soil & waste pipe



Fittings

Notched Pipe test Requirements in h



Resin Properties

Physical Properties	Test Method	Hostalen CRP 100 RESIST CR black
Melt Flow Rate (190°C/5kg)	ISO 1133-1	0.23 g/10min
Density	ISO 1183-1	0.958 g/cm ³
Tensile Modulus (23°C)	ISO 527-1,2	1100 MPa
MRS Classification	ISO 9080	10 MPa
FNCT (80°C/4MPa/2%N100)	ISO 16770	> 8760 h
NPT (80°C/9.2 bar)	ISO 13479	> 8760 h
S4-Test @ 0°C, Ø250x22.8mm	ISO 13477	Pc > 20 bar
S4-Test @ 0°C, Ø630x57.2mm	ISO 13477	Pc > 10 bar
S4-Test @ 0°C, Ø110x10mm	ISO 13477	Tc < -20°C

Note: Typical properties, not to be considered as specifications.

ABOUT US

LyondellBasell (NYSE: LYB) is one of the largest plastics, chemicals and refining companies in the world. Driven by its 13,400 employees around the globe, LyondellBasell produces materials and products that are key to advancing solutions to modern challenges like enhancing food safety through lightweight and flexible packaging, protecting the purity of water supplies through stronger and more versatile pipes, and improving the safety, comfort and fuel efficiency of many of the cars and trucks on the road. LyondellBasell sells products into approximately 100 countries and is the world's largest licensor of polyolefin technologies. In 2018, LyondellBasell was named to Fortune Magazine's list of the "World's Most Admired Companies."

For more information, visit lyb.com or please contact:

Europe

EU.Polymers@lyb.com

North America

NA.Polymers@lyb.com

South America

SA.Polymers@lyb.com

Africa, Middle East, India

AFMEI.Polymers@lyb.com

Asia

AP.Polymers@lyb.com

Australia/New Zealand

AU.Polymers@lyb.com

Before using a product sold by a company of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY) OTHER THAN AS SEPARATELY AGREED TO BY THE PARTIES IN A CONTRACT. This product(s) may not be used in: (i) any U.S. FDA Class I, Health Canada Class I, and/or European Union Class I Medical Devices, without prior notification to Seller for each specific product and application; or (ii) the manufacture of any of the following, without prior written approval by Seller for each specific product and application: (1) U.S. FDA Class II, Health Canada Class II or Class III, and/or European Union Class II Medical Devices;

Hostalen is a trademark owned or used by the LyondellBasell family of companies and is registered in the U.S. Patent and Trademark Office.

lyondellbasell
Advancing Possible