

PRODUCT INFORMATION

# Hostalen CRP 100 RT black

High-temperature resistant high density polyethylene for pipe applications



Hostalen CRP 100 RT black is a high density polyethylene (HDPE) with high melt viscosity for extrusion, injection and compression molding. The material provides excellent stress crack resistance properties (ESCR) combined with good long-term hydrostatic strength, even at raised temperatures (RT). Hostalen CRP 100 RT black has a minimum required strength (MRS) classification of 10 MPa and is thereby designated PE 100 according to ISO 12162:2009.

Pipes made from our Hostalen CRP 100 RT black resin have excellent heat aging and extremely high extraction stability.

### Product Benefits

- High temperature resistance
- Excellent balance of impact/stiffness
- Improved durability due to high stress crack resistance
- Excellent chemical and abrasion resistance
- Butt welding possible
- Protect from UV by a carbon black package in a homogenous distribution

### Some typical applications



Power cable conduit



Drinking water pipe

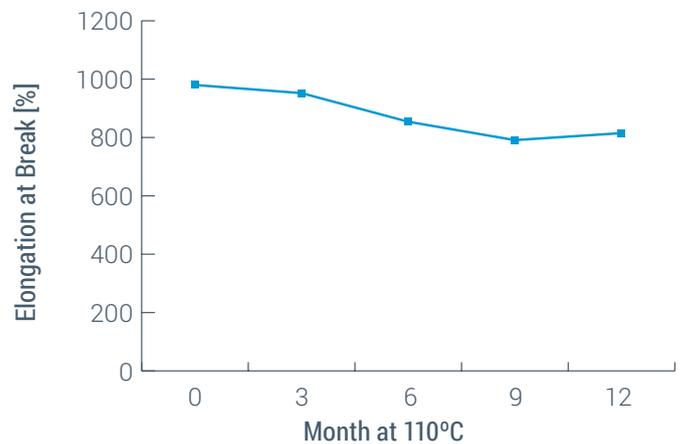


Industrial pipe



Soil & waste pipe

Oven ageing test results supporting 50y lifetime for power cable application



### Resin Properties

Physical Properties	Test Method	Hostalen CRP 100 RT black
Melt Flow Rate (190°C/5kg)	ISO 1133-1	0.45 g/10min
Density	ISO 1183-1	0.957 g/cm <sup>3</sup>
Tensile Modulus (23°C)	ISO 527-1,2	1050 MPa
MRS Classification	ISO 9080	10 MPa
Carbon Black Content	ISO 6964	2.25 %

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

# ABOUT US

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