

CONSTRUCTION SOLUTION

SPECIAL HDPE AND
PP PRODUCTS

POLIMAXX

P901BK

High Density Polyethylene Black Pipe (PE100)

- Correspond to PE100
- Good process ability
- Excellent thermal stability
- High resistant to slow crack growth
- Resistant to rapid crack propagation
- No effect on water

P921BK

Low Sagging with higher MRS Class High Density Polyethylene Black Pipe

- Suitable for High Thickness Pipe with Low sagging properties
- Excellent thermal stability
- High resistant to slow crack growth
- Resistant to rapid crack propagation
- According to ISO 4427-1:2019



Sagging Pipe



Low Sagging Pipe

Properties

unit

P901BK

P921BK

method

MRS CLASS

-

10.0

11.2

ISO 9080

Density (Compound)

g/cm³

0.959

0.959

ISO 1183

MFR (190 C/ 5kg)

g/10min

0.25

0.22

ISO 1133

Carbon Black content

%

2.25

2.25

ISO 6964

OIT (210 C)

min

>50

>50

ISO 11357

Tensile Strength@yield

MPa

22

22

ISO 527

Other Properties : Please contact our technical-sales staff

P901BK-RC

HDPE Black Pipe High Resistant to crack (HSCR / PE100RC)

It is a pressure pipe classed PE100 for water transportation. The main technical advantage of PE 100-RC is that it is significantly higher resistant to slow crack growth. Enhanced Safety with Installation cost and time saving, extends the service life of the entire piping system.

This grade is according to EN 1555-1:2021 and ISO 4427-1:2019

Application :

- Industrial and Mining Pipe Application
- Underground conduction system / Horizontal Drill

Properties	unit	P901BK-RC	method
MRS CLASS	-	10.0	ISO 9080
Density (Compound)	g/cm ³	0.959	ISO 1183
MFR (190 C/ 5kg)	g/10min	0.22	ISO 1133
Carbon Black content	%	2.25	ISO 6964
OIT (210 C)	min	>50	ISO 11357
Tensile Strength@yield	MPa	22	ISO 527

Other Properties : Please contact our technical-sales staff



FUNCTIONAL HDPE BLACK PIPE

P901BK-CR HDPE Black Pipe

Chlorine Resistance

improves the resistance to chlorine oxidation, leading to longer life time of pipe and better performance



OXIDATIVE CHLORINE TESTING :

ASTM F2263;
4.3 ppm chlorine
at 100°C and 2.6 bar

P901BK-SP

HDPE Black Pipe Shell Protection

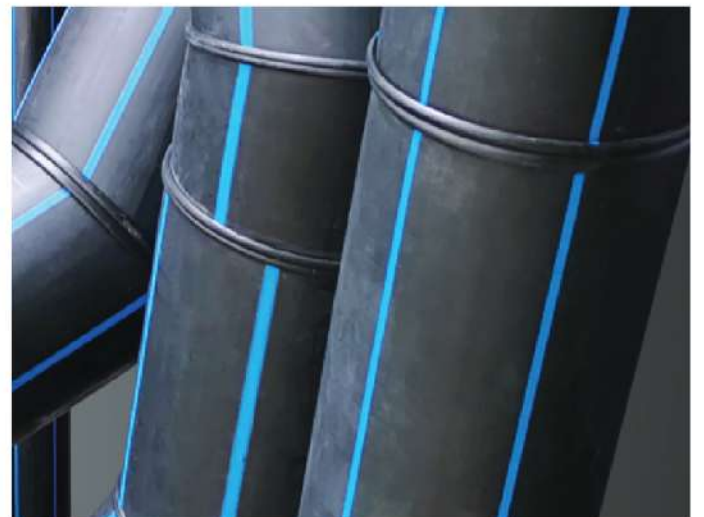
specially designed for the purpose of resistant to bivalve* settlement and penetration into pipe wall.



*Only for Bivalves species: *Martesia Striata*, Family *Pholadidae*

Flame Retardant

it contain a combination of additives and well dispersed carbon black or blue pigment, great processability, high thermal stability and good chemical resistance



COLORED HDPE PIPE

- High homogeneity, well dispersion
- High performance under international pipe standard
- Can be customized colored to meet customer's need



Blue pipe

P901BL

Blue HDPE pipe compound designed for water pipe application and can be used for co-extrusion of blue stripes.

It meets the pipe compound international standards requirement of ISO 4427, EN 12201.



White pipe

P901C A026

White pipe using to prevent the degradation of PE materials caused by UV exposure.

The pipe still comply with the requirements of AS/NZS4130 with long term resistance to UV exposure for periods exceeding 15 years

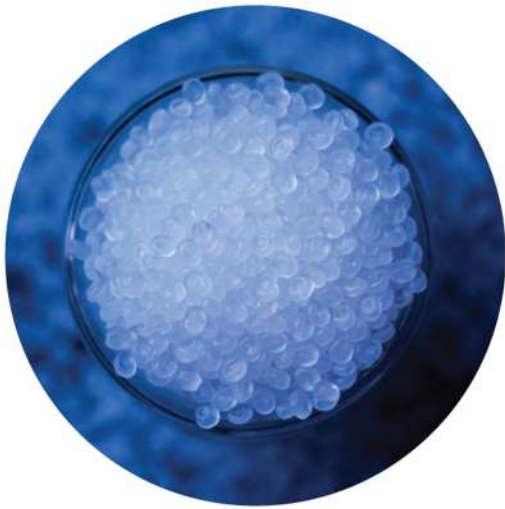
Other Customized Color : Please contact our technical-sales staff

3312E

PP Random Pipe (Natural Color)

3312E is designed to achieve PPR100 and is on going for the certification process. It's designed for New-trend of construction materials suitable for Hot and cold water with high physical properties.

- Suitable for Hot and cold water
- No glue needed
- No Taste / Odor and contaminate
- Easy to Installation and fixing
- Long Shelf life
- Non-phthalate Product series



Properties	unit	3312E	method
MRS CLASS	-	ON PROCESS	
Density	g/cm ³	0.90	ASTM D792
MFR (230 C/ 2.16 kg)	g/10min	0.25	ASTM D1238
Flexural Modulus	MPa	850	ASTM D790
Izod Notched Impact Strength (23C)	J/m	600	ASTM D256
Tensile Strength@yield	MPa	27	ASTM D638

Other Properties : Please contact our technical-sales staff



NONWOVEN GEOTEXTILE



1105RC has been designed to achieved great properties of Nonwoven application and could be adapt with Construction materials such as Geotextile nonwoven

- Reinforcement
- Soil Stabilisation

Properties	unit	1105RC	method
Density	g/cm ³	0.90	ASTM D792
MFR (230 C/ 2.16 kg)	g/10min	25	ASTM D1238
Flexural Modulus	MPa	1,400	ASTM D790
Izod Notched I mpact Strength (23C)	J/m	30	ASTM D256
Tensile Strength@yield	MPa	35	ASTM D638

Other Properties : Please contact our technical-sales staff

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