



## NABEX B.PE.2920.P

### BLACK MASTERBATCH (HDPE)

**Application:** Pressure pipes and fittings of polyethylene



#### PROPERTIES

PROPERTY	VALUE	UNIT	TEST METHOD
DENSITY	1.17±0.015	g/cm <sup>3</sup>	ISO 1183
CARBON BLACK CONTENT	40±1	%	ASTM D1603
MFI*	0.4±0.3	g/10min	ISO 1133
FILLER CONTENT	<0.3	%	NAB
CARBON BLACK DISPERSION**	<3	-	BS 2782 823A
OIT	30	min	ASTM D3895

\*Test conditions (5 kg, 190°C)

\*\*Tested on HDPE (EX3) containing 5-6% Masterbatch NABEXB.PE.2920.P



#### SPECIFICATIONS

The size of carbon black particles has a major role in UV protection of polyethylene pipes and fittings. In order to increase the lifetime of these parts against to sun light, in the masterbatch series 2920 used micronized carbon black. Moreover an appropriate quantity of thermal stabilizers combined was used in this masterbatch to avoid thermal degradation of polyethylene during production process.



#### STORAGE CONDITION

Masterbatch bags are stored far from sunlight and moisture. As carbon black absorbs the humidity, it is recommended to use a dryer in areas with high humidity in order to preserve the pipe quality.

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