



## NABEX B.PE.1920

### BLACK MASTERBATCH (LDPE)

*Application:* LDPE pipes, irrigation tapes and LDPE compounds



#### PROPERTIES

PROPERTY	VALUE	UNIT	TEST METHOD
DENSITY	1.13±0.05	g/cm <sup>3</sup>	ISO 1183
CARBON BLACK CONTENT	40±1	%	ASTM D1603
MFI	0.3±0.15	g/10min	ISO 1133
CARBON BLACK DISPERSION	<3	-	BS 2782 823 A
OIT	30	min	ASTM D3895

\*Test conditions (190°C, 5 kg)

\*\*Tested on polyethylene grade 0075 containing 5-6% masterbatch NABEX B.PE.1920



#### SPECIFICATIONS

The size of carbon black particles has a major role in UV protection of PE compounds. In order to increase the lifetime of the polyethylene parts against to sun light, in masterbatch series 2920 used the micronized carbon black. Moreover an appropriate quantity of thermal stabilizers 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 humidity, it is recommended to use a dryer in areas with high humidity in order to preserve the pipe quality.