

# CARBOBLUE N/L 10 - 20

## Hose Construction

**Tube:** Black, smooth, antistatic  $R < 1M\Omega/m$ , and sulphur free EPDM rubber compound with peroxide curing. Composed of 32 % urea aqueous (AUS 32/AIR1-AdBlue) the CarboBlue is specially designed for additives that reduce the amount of nitrogen oxide (NOx) and its mixtures. Extensive tests on tensile stress, cold bending, heat, and laceration resistance on compound in contact with the additive did not show alteration of its state. In addition, no contamination of the additive was present after 168 hours at the temperature of 70 °C.

**Reinforcement:** Synthetic textile fabrics

**Cover:** Black, smooth, antistatic  $R < 1M\Omega/m$ , EPDM rubber compound, ageing, heat and weather resistant.



## Applications







Hose certified specially designed for additive that reduce the amount of nitrogen oxide and its mixtures (NOx). Composed of 32 % urea aqueous solution (AUS 32), the CarboBlue hose is used in applications where there is a requirement for extracting NOx (nitrogen oxide and its mixtures that emit polluted substances into the environment during air combustion) and dramatically reducing exhaust gas from diesel engines. These objectives are included in European parameters EURO IV and EURO V. Suitable for applications in the engines, distributors, refuse incinerators, electrical energy systems. The hose passed the cold bending test.

## Temperature Range

-40 °C (-40 °F) +100 °C (+212 °F)  
with peaks up to +120 °C (+248 °C)

## Tolerances

According to UNI EN ISO 1307/97  
**On inside diameter:**  $\pm 0,80$  mm  
**Length tolerance:**  $\pm 1\%$

IHXXXXXXXXXX Part Number/ Standard Length m	 I.D. mm	 O.D. mm	 Working Pressure			 Burst Pressure			 Weight kg/m	 min. Bend Radius mm
			MPa	psi	bar	MPa	psi	bar		
<b>CARBOBLUE N/L 10</b>										
IH30515030/100	16	23	1,0	150,0	10	3,0	450,0	30	0,27	100
IH30515031/80	19	27	1,0	150,0	10	3,0	450,0	30	0,37	115
IH30515032/50	25	36	1,0	150,0	10	3,0	450,0	30	0,68	150
<b>CARBOBLUE N/L 20</b>										
IH30515042/100	4	10	2,0	300,0	20	6,0	900,0	60	0,08	30
IH30515043/100	6	12	2,0	300,0	20	6,0	900,0	60	0,11	40
IH30515044/100	8	15	2,0	300,0	20	6,0	900,0	60	0,16	50
IH30515045/100	10	17	2,0	300,0	20	6,0	900,0	60	0,19	60
IH30515046/100	13	20	2,0	300,0	20	6,0	900,0	60	0,23	80
IH30515040/80	16	26	2,0	300,0	20	6,0	900,0	60	0,43	100
IH30515041/80	19	30	2,0	300,0	20	6,0	900,0	60	0,56	115
IH30515047/50	25	37	2,0	300,0	20	6,0	900,0	60	0,76	150