

# Suprene GP1

GPA series



**Codeflex**

## General Description

Codeflex Suprene GP1 Air Hose is the culmination of Copely Developments' long term materials and hose technology development. This research has exploited the benefits of Rubber and P.V.C. to produce a Rubber P.V.C. Alloy (TPE). This innovative step has resulted in the introduction of Codeflex Suprene GP1 Air Hose.

This hose feels and looks like rubber without the associated negative aspects. Codeflex Suprene GP1 is fully flexible and is available from 6mm through to 25mm and exceeds ISO 5774 : 1980. The smaller diameters are black with yellow stripe and 13mm and above are in opaque yellow outer sheath.

Improved fire retardancy. Tested to BS 2782 Part 1, Method 141A on sample cut to 6mm wide. GP1 range has a CO1 rating of 25% O<sub>2</sub>.

All hoses are printed with logo, product reference, ID dimension and working pressure.

## Special Features

- Abrasion resistance - excellent
- Ageing - outstanding resistance
- Made from Cadmium free materials
- Resistance to a wide range of chemicals  
(see Chemical Resistance Table)
- Good flexibility
- Reduced Plasticizer migration
- Kink resistance - good
- Improved resistance to oil / fuels
- Outstanding U.V / Ozone resistance
- Silicone free
- Temperature -30°C to +60°C improved

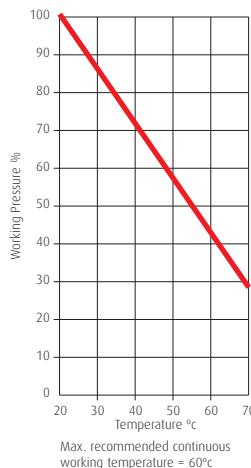
Abrasive

Water

Chemicals

Fuel/Oil

**Pressure/Temperature Relationships**



## Technical Data

### UK and European Sizes

Product Ref	Size I.D.	Size O.D.	Weight per coil kgs	Working Pressure 3:1 Safety Factor	Stock Sizes
GPA 05	5	13	4.99	20 bar	30m,100m
GPA06	6.3	14	5.48	20 bar	30m,100m
GPA08	8	16	7.05	20 bar	30m,100m
GPA10	10	18	7.43	20 bar	30m,100m
GPA13	12.5	22	10.5	20 bar	30m,100m
GPA19	19	29	15.96	20 bar	15m,30m
GPA25	25	37	24.75	20 bar	30m only

Available ex stock in 30m coils.

Colours: 5mm - 10mm Black outer with yellow stripe  
12.5mm - 25mm Black inner Opaque yellow outer

### Applications:

Compressed Air and Compressor Hoses for the Industrial, Construction and Automotive Sectors.  
Water and Chemical transfer

### Conforms to Product Standards:

ISO 5774 : 1980

### Test Methods & Procedures:

BS EN ISO 7751 : 1997                      ISO 8033 : 1991  
ISO 1402 : 1994                              BS EN 21746 : 1983  
BS EN 28033 : 1993                        ISO 1746 : 1983  
BS EN 24671 : 1993

Please see Standards Index for further information

### Codeflex Suprene Compressor Hose Assembly

Product Ref	Size I.D.	Size O.D.
GPA19/STD*	19	29
GPA19/SAF**	19	29

Stock Length 15 metres

\* STD = Double Lock Quick Release Coupling

\*\*SAF = Double Lock Quick Release with Interlocking Safety Clamps

## Braiding and Braid Angles

The angle of application of the reinforcing fibres, irrespective of the denier, is critical in the achievement of a 'balanced' pressure hose. Copely manufacture hose with a target angle of 54° 44' (54.73°) being the optimum angle. Variations to the angle are generally for economic reasons, but major variations will have a marked effect on the performance and longevity of the product.