



Manufacturing Next-Gen LPG Hoses

Rubber Hoses for Propane & Butane EN 16436-1:2014



“Codan Rubber has always been at the forefront in the LPG hose market and as such has already developed a new range of hoses to meet the demands of the new EN16436-1 2014 standard”

- The European Committee For Standardization (CEN) in March 2014 approved a new European Standard for rubber and plastic hoses and tubing for use with propane and butane and their mixture in the vapour phase (LP Gas). EN 16436-1:2014 is specifically for the delivery of LP Gas from a pressurized gas container to a regulator or an appliance (eg. heater) or for connection between a regulator to an appliance or pipework.
- This new standard should by November 2014 replace conflicting National standards in all EU and EFTA member countries.
- This means for example that existing Standards for this application such as DIN (Germany), BS (United Kingdom) and NFT (France) will be withdrawn.
- This new EN Norm does not replace existing standards relating to Gas Welding, Propulsion (eg. Auto LPG) or bulk delivery.
- The new standard is divided into three classes of tube/hose
 - Class 1 – Un-reinforced tubing max. pressure 0.2 bar (typical use: camping / caravan, test- and laboratory equipment)
 - Class 2 – Reinforced hose max. pressure 10 bar (typical use: BBQ / heaters / fridge)
 - Class 3 – Reinforced hose max. pressure 30 bar (typical use: pig tail hoses for joining bottles)
- Hoses / Tubing in the standard can be either White or Black or Orange in colour but ALL classes must be identified as LPG hose by an ORANGE stripe (if they are not orange).

Hose references 4084 (Class 1 - tube) 2614 (Class 2 - hose) and 2654 (Class 3 - hose) will be items available from stock in common dimensions. Others sizes and types can be made to customer order.

Codan Rubber also produces and stocks EN/ISO 3821:2010 Hose for Gas Welding applications which includes Propane. This hose is ref 2601 and also meets the superseded standard EN 559.

For further information on this subject please contact Codan Rubber: info@codan.com

Codan LPG hose programme 2015

Codan 4084 – EN 16436-1:2014 (Class 1)

Black LPG/Gas tubing, non-reinforced, for low pressure applications. Manufactured to EN 16436-1:2014 Class 1 and is DG 0553 approved.

Typical use: camping/caravan, test- and laboratory equipment.

Codan 2614 – EN 16436-1:2014 (Class 2)

Flexible, smooth, orange hose for liquefied petroleum gas (LPG), propane/butane, to EN 16436-1:2014 Class 2.

The hose is primarily for use in assemblies of LPG applications such as barbecues, patio heaters, caravan installations and weed burners.

Codan 2654 – EN 16436-1:2014 (Class 3)

Flexible, smooth, orange hose for liquefied petroleum gas (LPG), propane/butane, to EN 16436-1:2014 Class 3.

The hose is primarily for assemblies of LPG applications. Typical use: pig tail hoses for joining bottles.

Codan 2601 – EN/ISO 3821:2010

Flexible, smooth, orange hose for liquefied petroleum gas (LPG), propane/butane. In accordance with EN/ISO 3821:2010.

The hose is primarily for use in industrial welding and cutting applications. The 6.3 mm and 11.0 mm hoses are DG approved.

Codan 2808 – EN/ISO 3021:2010

Flexible twin hose for propane/butane and oxygen. Dividing groove allows easy separation. Specially designed for industrial cutting and welding tasks.

Normally installed using hose clamps or swaged on fittings.



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Codan Rubber technical sales bulletin

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