

Economic Commission for Europe

Inland Transport Committee

Working Party on the Transport of Dangerous Goods

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Definitions of liners used in gas cylinder standards

Transmitted by EIGA

1. The ISO Technical Committee responsible for gas cylinders, ISO/TC58¹ has developed a standard on terminology related to gas cylinders. This standard is ISO 10296, *Gas cylinders – Terminology*.
2. The Standard not only gives definitions for many of the items relating to gas cylinders design and use but also provides translations into French and German for these terms.
3. Within the standard is a definition for liners, but as will be noted “liner” and the associated terms do not have a translation in French or German.

English	French	German
liner inner portion of a composite cylinder, comprising a metallic or non-metallic vessel, whose purpose is both to contain the gas and transmit the gas pressure to the composite overwrap	liner partie interne d'une bouteille composite, comprenant un récipient métallique ou non, dont l'objet est à la fois de contenir le gaz et de transmettre la pression du gaz à l'enveloppe composite	Liner innerer Teil einer Composite-Flasche, bestehend aus einem metallischen oder nichtmetallischen Behälter mit der Funktion, sowohl das Gas aufzunehmen als auch den Gasdruck auf die Composite-Umwicklung zu übertragen
non-load bearing liner	liner n'influant pas sur la résistance de la bouteille	nicht-lasttragender Liner
linerless cylinder	bouteille sans liner	Flasche ohne Liner

Source ISO 10286 – 2015 *Gas Cylinders Terminology*

¹ Note the scope of ISO/TC58 does include amongst other items pressure drums and tubes.