

DIN EN 16820:2026-05 (E)

Rubber and plastics hoses and hose assemblies for use in the pharmaceutical and biotechnological industry - Bonded elastomeric hoses with or without a lining

Contents		Page
European foreword		3
1	Scope	4
2	Normative references	4
3	Terms and definitions	5
4	Classifications and conditions of use	5
4.1	Hose types	5
4.2	Hose grades	7
5	Dimensions	8
5.1	Inside diameter, minimum thickness of the lining, bending radii	8
5.2	Concentricity	9
5.3	Length and tolerances for the hose assemblies	9
5.4	Minimum bending radius	9
6	Materials	9
7	Requirements and tests	11
7.1	Physical properties	11
7.2	Electrical properties	12
8	Designs/types of connection	13
9	Manufacturing of the hose assembly	14
10	Frequency of testing	14
11	Marking	15
11.1	Marking of the hoses	15
11.2	Marking of the fittings	15
11.3	Marking of the hose assemblies	15
12	Installation and user instructions	16
13	Storage and permissible storage time	16
Annex A (normative) Testing of crushing strength (only for hose type SD)		17
Annex B (normative) Test method for flammability		19
Annex C (normative) Surface roughness and design of hose couplings		21
Annex D (normative) Test frequencies for type tests and routine tests		22
Bibliography		23