



Certificate of Conformity

VWR TUBING, SILICONE

VWR International certifies that the products comply in every respect with the relevant particular specifications and/or drawings and/or relevant standards and regulations in force, mentioned in this document.

VWR International certifie que les produits sont conformes à tous égards aux spécifications particulières appropriées et / ou dessins, normes et règlements en vigueur, mentionnées dans le présent document

VWR International bestätigt, dass das Produkte allen zutreffenden Spezifikations- und/oder Zeichnungs- und/oder Standardanforderungen sowie den im Dokument aufgeführten gültigen Vorschriften entspricht.

Cat. No.	Ø int. mm	Ø ext. mm	Wall thickness mm	Pk
228-0700	1.00	3.00	1.00	15 m
228-0701	1.00	3.00	1.00	25 m
228-0702	1.50	3.00	0.75	15 m
228-0703	2.00	4.00	1.00	15 m
228-0704	2.00	4.00	1.00	25 m
228-0706	3.00	5.00	1.00	15 m
228-0707	3.00	5.00	1.00	25 m
228-0708	4.00	6.00	1.00	15 m
228-0709	4.00	6.00	1.00	25 m
228-0710	4.00	7.00	1.50	15 m
228-0711	4.00	8.00	2.00	15 m
228-0712	4.00	8.00	2.00	25 m
228-0713	5.00	8.00	1.50	15 m
228-0714	5.00	8.00	1.50	25 m
228-0715	5.00	9.00	2.00	15 m
228-0716	5.00	10.00	2.50	15 m
228-0717	6.00	9.00	1.50	15 m
228-0718	6.00	9.00	1.50	25 m
228-0719	6.00	10.00	2.00	15 m
228-0720	6.00	10.00	2.00	25 m
228-0721	6.00	12.00	3.00	15 m
228-0722	6.00	12.00	3.00	25 m
228-0723	7.00	10.00	1.50	15 m
228-0724	8.00	11.00	1.50	15 m
228-0725	8.00	12.00	2.00	15 m
228-0727	8.00	14.00	3.00	15 m



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Cat. No.	Ø int. mm	Ø ext. mm	Wall thickness mm	Pk
228-0728	8.00	14.00	3.00	25 m
228-0729	9.00	13.00	2.00	15 m
228-0730	10.00	14.00	2.00	15 m
228-0731	10.00	14.00	2.00	25 m
228-1500	3.00	6.00	1.50	15 m
228-1501	3.00	7.00	2.00	15 m
228-1502	4.00	10.00	3.00	15 m
228-1503	7.00	11.00	2.00	15 m
228-1504	7.00	12.00	2.50	15 m
228-1505	7.00	13.00	3.00	15 m
228-1506	8.00	16.00	4.00	15 m
228-1507	10.00	16.00	3.00	15 m
228-1508	10.00	18.00	4.00	15 m
228-1509	12.00	15.50	1.75	15 m
228-1510	12.00	17.00	2.50	15 m
228-1511	15.00	21.00	3.00	5 m
228-1512	18.00	24.00	3.00	5 m
228-1513	20.00	27.00	3.50	5 m
228-1514	25.00	35.00	5.00	5 m
228-1515	30.00	40.00	5.00	5 m
228-1516	40.00	50.00	5.00	5 m
228-1517	3.00	6.00	1.50	25 m
228-1518	3.00	7.00	2.00	25 m
228-1519	4.00	10.00	3.00	25 m
228-1520	7.00	11.00	2.00	25 m
228-1521	7.00	12.00	2.50	25 m
228-1522	7.00	13.00	3.00	25 m
228-1523	8.00	16.00	4.00	25 m
228-1524	10.00	16.00	3.00	25 m
228-1525	10.00	18.00	4.00	25 m
228-1526	12.00	15.50	1.75	25 m
228-1527	12.00	17.00	2.50	25 m
228-1528	1.60	4.80	1.60	25 m
228-0705	2.00	6.00	2.00	15 m
228-0726	8.00	12.00	2.00	25 m
228-4400	5.00	11.00	3.00	25 m

Formulation: **S60V34B**

Material: **Silicone, peroxide cross-linked**



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Composition:

- (i) Basic elastomer: **Silicone**
- (ii) Catalyst: **Peroxide**
- (iii) Fillers: **Mineral fillers**

Physical properties:

Color: **Translucent**
Hardness: **60 Shore A**
Tensile Strength: **1305(9) psi(MPa)**
Ultimate Elongation: **> 270%**
Tear resistance: **100(18) kN/m**
Specific Gravity: **1.16**
Water Absorption: **0.06%**
Compression set constant deflection(% at 70°C during 22 hours): **36**
Brittle Temperature: **-50 °C**
Maximum recommended operating temperature: **200 °C**
Tensile set: **7.5 %**
Temperature resistance: **-60 to +200 °C (briefly up to +220 °C)**
Sterilization:

- (i) **Steam (134 °C) - 18 min**
- (ii) **Ethylene Oxide - appropriate**
- (iii) **Irradiation - appropriate**

Compliant to: **European Pharmacopoeia (§3.1.9, current revision)**

USP XXVIII Class VI requirements.

ISO 10993 Testing Requirements.

(Systemic toxicity, Cytotoxicity, Hemolysis, Acute intracutaneous reactivity, Delayed contact sensitization, Genotoxicity Ames test.)

Produced in compliance with GMP conditions, ISO 13485, certificate of conformity supplied with each roll

Food grade certifications:

USA: **FDA; 21CFR-§177,2600**

Germany: **BfR**

France: **Brochure 1227**

EEC: **85/572, 97/48, 2002/72**

Disclaimer: *VWR wants to state that this declaration will not discharge the user from his obligation to ensure the product is suitable for the intended use. - If there is any doubt ask us.*

Date of issue: **October 2016**