Safety data sheet

Air Valve, PP-black

- Material: PP
- Temperature resistance: 0 °C to +110 °C
- Chemical resistance: ++ very good

Description	Cat. No.
Air Valve, PP-black, with connection UNF 1/4" 28 G, integrated non-return valve with porous PTFE-membrane for pressure compensationfit over most prescription glasses	VWRI590-0025



POLYPROPYLENE

Properties	Value	Test standard
Mold shinkrage	0,012 mm/mm	ASTM D 955
Density, 73 ° F	1040 kg/m3	ASTM D 792
Notched impact strength 23 °C	3,5 kJ/m2	ISO 180/1A
Izod impact strength	25 kJ/m2	ISO 180/1U
Tensile modulus	1900 MPa	ASTM D 638
Tensile strength at yield	22 MPa	ASTM D 638
Elongation at break	20%	ASTM D 638
Flammability at a nominal 1.5 mm	V-0 class	UL 94
Flammability at thickness 0.8 mm	V-0 class	UL 94
DTUL at 264 psi	65 ° C	ASTM D 648
Vicat temperature	100 ° C	ASTM D 1525
Comparative tracking index	600	IEC 60112
Conformities	FDA RoHs REACH BSE/TSE	VO 10/2011/EU 2011/65/EU RoHS EC 1907/2006 1774/2002/EG

SILICONE

Properties	Value	Test standard
Colour	white	-
Max. service temperature	+ 210 ° C	-
Min. service temperature	- 55 ° C	-
Hardness	50 Shore A	DIN 53505
Tensile strength	6.4 N / mm2	DIN 53504-S1
Elongation at break	450%	DIN 53540-S1
Tear resistance	15 N / mm2	ASTM D624 B
Compression set	19 % bei 22 h/175 ° C	DIN 53517
Conformities	RoHs REACH	2011/65/EU RoHS EC 1907/2006

HYDROPHOBIC PTFE MEMBRANE FILTERS

Properties	Value	Test standard
Colour	white	-
Material	PTFE with polypropylene support	-
Thickness	180 - 320 µm	-
Pore Size	1,0 µm	-
Diameter	17,5 mm	-
Retention efficiency 0,2 µm	> 7 LRV / cm^2	ATCC 191416
Retention efficiency 0,45 µm	> 7 LRV / cm^2	ATCC 14756
Retention efficiency 1,0 µm	> 5 LRV / cm^2	ATCC 9763
Sterilization	121 ° C	-
Maximum operating temperature	125 ° C	-
Biosafety	passed V1 plastic	USP 88
Fiber release	passed	USP 788
Extractable substances	passed NVR test	USP 661
Air flow rate	>2,5 lpm / cm^2	0,34 bar
Heat stability	Maintains integrity after 5 autoclaving/steam sterilization cycles at 121 °C of 30 minutes each.	-
Expiry	3 years when stored in a cool and dry place.	-
Conformities	FDA RoHs REACH BSE/TSE	HWE (FDA) 79-3072 2011/65/EU RoHS EC 1907/2006 1774/2002/EG

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