b.safe

vwr™ part of avantor

Data sheet
VWR Exhaust Filters



A product brand of Bohlender

Body and Cover for exhaust filters

Polyethylen

Properties	Value	Test standard
Colour	nature	-
Tensile Modulus	1450 MPa	ISO 527
Yield stress	30 MPa	ISO 527
Yield strain	30 MPa	ISO 527
Notched Impact Strength	4 kJ/m²	ISO 179
Shore Hardness D	61	ISO 868
Ball Indentation Hardness	58 MPa	ISO 2039-1
Density	960 kg/m³	ISO 1183
Chemical Tesistance	Oxidation Resistance	-
Special Characteristics	UV stablized	UL 94
Conformities	FDA RoHs REACH BSE/TSE	VO 10/2011/EU 2011/65/EU RoHS EC 1907/2006 1774/2002/EG

Color black

Properties	Value	Test standard
Colour	black	-
Physical state	firmly	-
Odor	weak	-
Carrier	Polyethylene	-
Softening area	100 - 140 ° C	-
Relativ density	1 - 1,5 g/cm³	-
Water solubility 20 ° C	insoluble	-
Decomposition temperature	> 300 ° C	-
Reactivity	none	-
Chemical stability	chemically stable	-
Temperature resistance	270 ° C	DIN 53772
Lightfastness	2 - 3	DIN EN ISO 4892
Conformities	RoHs REACH BSE/TSE	2011/65/EU RoHS EC 1907/2006 1774/2002/EG

Special adsorption carbon optimized for solvents

Properties	Value	Test standard
Colour	black	-
Bulk density	410 ± 30 kg/m³	ASTM D 2854
Moisture content	< 5 %	ASTM
Total surface area	1100 m²/g	DIN ISO 9277
Diameter of particles	4 mm	ASTM D 2862
Ash content	< 10 wt.%	ASTM D 2866
CTC-adsorption	70 wt.%	ASTM D 5742
Ball Pan hardness	98-99 wt.%	ASTM D 3802

High performance vent frit / Special distribution frit optimized for solvents

Polyethylene

Properties	Value	Test standard
Colour	white	-
Thickness	2,00 +/- 0,2 mm	-
Average pore size	20 - 60 µm	-
Airflow	500 - 2100 ml/min	1,2“ water
Target density	0,46 - 054 g / cm³	-
Tensile strength average	> 1,1 N/mm²	-
Tensile strength individual	> 1,0 N/mm²	-
Foreign particle size	not > 1,6 mm	-

O-Ring

Fluororubber

Properties	Value	Test standard
Colour	black	-
Base elastomer	FKM	ISO 1629
Hardness	80 +/- 5 Shore A	DIN ISO 7619-1
Density	2,18 g / cm³	DIN EN ISO 1183-1
Tensile strength	12,2 N / mm²	DIN 53504, S2
Elongation at break	180 %	DIN 53504, S2
Compression set, type B	24 h 150 °C = 8 % 24 h 200 °C = 13 %	DIN ISO 815
Thermal analysis DDK / DSC	- 21 ° C	DIN EN ISO 11357
TR-10	- 17 ° C	ASTM D 1329
Conformities	DVGW DVGW BAM	DIN EN 549 DIN EN 682 Az. 19053709

Sophisticated Safety Solutions for HPLC.



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