

b.safe

Data sheet b.safe Funnels



A product brand of Bohlender

b.safe Funnels

There is more liquid waste that needs to be collected and disposed of than only the liquid waste that is lead from the HPLC device into a canister. b.safe offers many sophisticated products for the safe collection and disposal of liquid waste in your lab.

The best help for collecting liquid waste are b.safe Funnels. The combination of the single features of the b.safe Funnels reliably protects you during and after filling of the collecting container.

b.safe Funnels 130

Its compact design allows an easy integration in a safety cabinet. An automatic closing of the hinged lid is prevented by the big opening angle even when the funnel is assembled on a canister with inclined neck. With the free turnable cap you can perfectly adjust the funnel on the waste container.



b.safe Trichter 180

Easy and safe handling: you do not need to open a lid before pouring. With starting the filling process, the integrated ball valve opens automatically and is closed as soon as the liquid is drained off completely.



A: b.safe lid, sieve, splash guard ball and valve

PE-HD for b.safe Funnels 130 and 180

Properties	Value	Test standard
Colour	nature	-
Melt index	8 g/10min	ISO 1133
MFI temperature	190 °C	-
Bending stress	1450 Mpa	ISO 527
Yield stress	30 MPA	ISO 527
Elongation	7 %	ISO 527
Shore Härte D	61	ISO 868
Ball indentation hardness	58 MPa	ISO 2039-1
Density	960 KG/m ³	ISO 1183
Melt temperature	131 °C	ISO 8256
Conformities	FDA	1935/2004/EG

PE-HD-EX for b.safe Funnels 130 and 180

Properties	Value	Test standard
Colour	black	-
Density	1065 kg/m ³	ISO 1183
Shore Härte D	61	ISO 868
Flexural Strength	23 MPA	ISO 178
Tensile Modulus	649 MPA	ISO 527
Elongation at Break	147 %	ISO 527
Notched Izod Impact	20 kJ/m ²	ISO 180A
Volume Resistivity	1E+05 ohm*cm	IEC 93
Specific Surface Resistivity	1E+04 ohm/sq	IEC 93

B: b.safe free turnable Cap

Screw cap for the funnels: GL45

Eigenschaften	Wert	Prüfnorm
Material	PPS reinforced with 40% glass fiber	-
Density	1650 kg/m ³	ISO 1183
Bending stress	285 MPa	ISO 178
Rockwell hardness	100 M-Scale	ISO 2039-2
Melting temperature	280 °C	ISO 11357-1
Flammability	V-0	UL94
DTUL at 1,8 MPa	270 °C	ISO 75-1
DTUL at 8,0 MPa	215 °C	ISO 75-1
Conformities	FDA RoHS Class VI	CFR 77.1380 2011/65/EU RoHS USP 35 (88)

Properties	Value	Test standard
Colour	yellow	-
Carrier material	PPS	-
Temperature resistance	300 °C	-
Lightfastness	6	Blue scale

Screw cap for the funnels:S50, S55, S60, S65

Material	PP reinforced with 30% glass fiber	-
Density	1120 kg/m ³	ISO 1183
Melt flow rate	2 g/10min	ISO 1133
Flexural strength	135 MPA	ISO 178
Tensile stress at break	3,3 %	ISO 527-2
Heat dissipation temperature	143 °C	ISO 75-2
Hardness	112 MPa	ISO 2039
Vicat softening temperature	164 °C	ISO 306
Conformities	FDA RoHs Class VI	CFR 77.1380 2011/65/EU RoHS USP 35 (88)
Konformitäten	FDA RoHs Class VI	CFR 77.1380 2011/65/EU RoHS USP 35 (88)

Properties	Value	Test standard
Colour	Light yellow	-
Carrier material	Resin ester polymer	-
Softening area	65-85 °C	-
Flame Rating	> 200 °C	-
Relative density	ca. 1,15 g/cm ³	-
Water solubility	insoluble	-
Decomposition temperature	> 280 °C	-
Conformities	REACH RoHs Class VI	EX/1907/2006 2011/65/EU RoHS USP 35 (88)

Screw cap for the funnels: S51, S70, S90

Properties	Value	Test standard
Colour	white	
Material	PP	-
Density	0,91 - 1,14 g/cm ³	DIN 53479
Odor	geruchlos	-
Melting temperature	165 °C	DIN 53765
Start of thermal decomposition	240 °C	DIN 53765-D-10
Ignition temperature	330 °C	ASTM-D 1929
Conformities	FDA	177.1520
	Class VI	Plastic
	REACH	EX/1907/2006
	BST/TSE	999/2001

C: b.safe Neck and filling tubes

PE-HD for funnels 130 and 180

Properties	Value	Test standard
Colour	nature	-
Melt index	8 g/10min	ISO 1133
MFI temperature	190 °C	-
Bending stress	1450 Mpa	ISO 527
Yield stress	30 MPA	ISO 527
Elongation	7 %	ISO 527
Shore Härte D	61	ISO 868
Ball indentation hardness	58 MPa	ISO 2039-1
Density	960 KG/m ³	ISO 1183
Melt temperature	131 ° C	ISO 8256
Conformities	FDA	1935/2004/EG

PE-HD-EX for funnels 130 and 180

Properties	Value	Test standard
Colour	black	-
Density	1065 kg/m ³	ISO 1183
Shore Härte D	61	ISO 868
Flexural Strength	23 MPA	ISO 178
Tensile Modulus	649 MPA	ISO 527
Elongation at Break	147 %	ISO 527
Notched Izod Impact	20 kJ/m ²	ISO 180A
Volume Resistivity	1E+05 ohm*cm	IEC 93
Specific Surface Resistivity	1E+04 ohm/sq	IEC 93
Spezifischer Oberflächenwiderstand	1E+04 ohm/sq	IEC 93

Sophisticated Safety
Solutions for HPLC.

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