

GENERAL INFORMATION

Product name : Flask, Erlenmeyer, standard ground mouth**Description :** Made of borosilicate glass LBG 3.3

TECHNICAL DATA

reference	capacity	Ø (mm)	htotal (mm)	mouth	pcs/pack
CFL3-005-001	5 ml	25	50	14/23	1
CFL3-010-001	10 ml	32	60	14/23	1
CFL3-025-001	25 ml	42	70	14/23	1
CFL3-050-001	50 ml	51	85	14/23	1
CFL3-052-001	50 ml	51	85	19/26	1
CFL3-100-001	100 ml	64	105	14/23	1
CFL3-102-001	100 ml	64	105	19/26	1
CFL3-103-001	100 ml	64	105	24/29	1
CFL3-101-001	100 ml	64	105	29/32	1
CFL3-252-001	250 ml	85	135	19/26	1
CFL3-251-001	250 ml	85	135	24/29	1
CFL3-250-001	250 ml	85	128	29/32	1
CFL3-503-001	500 ml	105	170	24/29	1
CFL3-500-001	500 ml	105	165	29/32	1
CFL3-1K3-001	1000 ml	131	210	24/29	1
CFL3-1K0-001	1000 ml	131	210	29/32	1
CFL3-2K0-001	2000 ml	166	275	29/32	1
CFL3-005-012	5 ml	25	50	14/23	12
CFL3-010-012	10 ml	32	60	14/23	12
CFL3-025-012	25 ml	42	70	14/23	12
CFL3-050-012	50 ml	51	85	14/23	12
CFL3-052-012	50 ml	51	85	19/26	12
CFL3-100-012	100 ml	64	105	14/23	12
CFL3-102-012	100 ml	64	105	19/26	12
CFL3-103-012	100 ml	64	105	24/29	12
CFL3-101-012	100 ml	64	105	29/32	12
CFL3-252-010	250 ml	85	135	19/26	10
CFL3-251-010	250 ml	85	135	24/29	10
CFL3-250-010	250 ml	85	128	29/32	10
CFL3-503-008	500 ml	105	170	24/29	8
CFL3-500-008	500 ml	105	165	29/32	8

CFL3-1K3-006	1000 ml	131	210	24/29	6
CFL3-1K0-006	1000 ml	131	210	29/32	6
CFL3-2K0-002	2000 ml	166	275	29/32	2

PACKAGING AND LOGISTICS

reference	vol (l)	kg	TARIC	GTIN
CFL3-005-001	0,05	0,016	70172000	08434868012998
CFL3-010-001	0,14	0,021	70172000	08434868013018
CFL3-025-001	0,14994	0,023	70172000	08434868013032
CFL3-050-001	0,2704	0,032	70172000	08434868013056
CFL3-052-001	0,2704	0,032	70172000	08434868013070
CFL3-100-001	0,46475	0,069	70172000	08434868013094
CFL3-102-001	0,46475	0,069	70172000	08434868013131
CFL3-103-001	0,01	0,01	70172000	08434868013155
CFL3-101-001	0,46475	0,069	70172000	08434868013117
CFL3-252-001	1,215	0,097	70172000	08434868013254
CFL3-251-001	1,215	0,097	70172000	08434868013230
CFL3-250-001	1,215	0,097	70172000	08434868013216
CFL3-503-001	2,1175	0,16	70172000	08434868013315
CFL3-500-001	2,1175	0,16	70172000	08434868013292
CFL3-1K3-001	4,312	0,317	70172000	08434868013193
CFL3-1K0-001	4,312	0,317	70172000	08434868013179
CFL3-2K0-001	9,072	0,56	70172000	08434868013278
CFL3-005-012	2,5	0,192	70172000	08434868013001
CFL3-010-012	2,5	0,252	70172000	08434868013025
CFL3-025-012	2,5	0,9	70172000	08434868013049
CFL3-050-012	3,245	0,55	70172000	08434868013063
CFL3-052-012	3,245	0,55	70172000	08434868013087
CFL3-100-012	5,35665	0,9	70172000	08434868013100
CFL3-102-012	5,35665	0,9	70172000	08434868013148
CFL3-103-012	5,35665	0,9	70172000	08434868013162
CFL3-101-012	5,35665	0,9	70172000	08434868013124
CFL3-252-010	9,472	0,97	70172000	08434868013261
CFL3-251-010	9,472	0,97	70172000	08434868013247
CFL3-250-010	9,472	0,97	70172000	08434868013223
CFL3-503-008	15,015	1,57	70172000	08434868013322
CFL3-500-008	15,015	1,57	70172000	08434868013308
CFL3-1K3-006	19,975	2,16	70172000	08434868013209
CFL3-1K0-006	19,975	2,16	70172000	08434868013186
CFL3-2K0-002	13,275	1,28	70172000	08434868013285

PRODUCT PHOTO



MATERIAL

MATERIAL : LBG 3.3

LBG 3.3 is a borosilicate glass with a minimum content in silica of 80% and a low expansion coefficient ($3.3 \cdot 10^{-6}$ K⁻¹) included in the 3.3 borosilicate group, as defined in ISO 3585 standard.

It is used in products where chemical and mechanical resistance is to be combined with resistance to sudden temperature changes. This particular combination of properties makes this type of glass the most used in labware.

Physical and chemical properties:

- Linear expansion coefficient (@ 20/300 °C): $3.3 \cdot 10^{-6}$ K⁻¹
- Strain point: 520 °C
- Annealing point: 560 ± 10 °C
- Softening point: 820 ± 10 °C
- Density: 2.23 ± 0.02 g/cm³
- Hydrolytic resistance (according to ISO 719, water at 98 °C): Class 1
- Hydrolytic resistance (according to ISO 720, water at 121 °C): Class 1
- Resistance to acids (according to ISO 1776, DIN 12116): Class 1
- Resistance to alkalis (according to ISO 695): Class 2

Typical composition:

- 80.4% in weight SiO₂
- 13.0% in weight B₂O₃
- 4.2% in weight Na₂O
- 2.4% in weight Al₂O₃

INFORMACIÓN GENERAL

Nombre del producto : Matraz Erlenmeyer esmerilado**Descripción :** De vidrio borosilicato LBG 3.3

DATOS TÉCNICOS

referencia	capacidad	Ø(mm)	htotal (mm)	boca	unidades por ref.
CFL3-005-001	5 ml	25	50	14/23	1
CFL3-010-001	10 ml	32	60	14/23	1
CFL3-025-001	25 ml	42	70	14/23	1
CFL3-050-001	50 ml	51	85	14/23	1
CFL3-052-001	50 ml	51	85	19/26	1
CFL3-100-001	100 ml	64	105	14/23	1
CFL3-102-001	100 ml	64	105	19/26	1
CFL3-103-001	100 ml	64	105	24/29	1
CFL3-101-001	100 ml	64	105	29/32	1
CFL3-252-001	250 ml	85	135	19/26	1
CFL3-251-001	250 ml	85	135	24/29	1
CFL3-250-001	250 ml	85	128	29/32	1
CFL3-503-001	500 ml	105	170	24/29	1
CFL3-500-001	500 ml	105	165	29/32	1
CFL3-1K3-001	1000 ml	131	210	24/29	1
CFL3-1K0-001	1000 ml	131	210	29/32	1
CFL3-2K0-001	2000 ml	166	275	29/32	1
CFL3-005-012	5 ml	25	50	14/23	12
CFL3-010-012	10 ml	32	60	14/23	12
CFL3-025-012	25 ml	42	70	14/23	12
CFL3-050-012	50 ml	51	85	14/23	12
CFL3-052-012	50 ml	51	85	19/26	12
CFL3-100-012	100 ml	64	105	14/23	12
CFL3-102-012	100 ml	64	105	19/26	12
CFL3-103-012	100 ml	64	105	24/29	12
CFL3-101-012	100 ml	64	105	29/32	12
CFL3-252-010	250 ml	85	135	19/26	10
CFL3-251-010	250 ml	85	135	24/29	10
CFL3-250-010	250 ml	85	128	29/32	10
CFL3-503-008	500 ml	105	170	24/29	8
CFL3-500-008	500 ml	105	165	29/32	8

CFL3-1K3-006	1000 ml	131	210	24/29	6
CFL3-1K0-006	1000 ml	131	210	29/32	6
CFL3-2K0-002	2000 ml	166	275	29/32	2

EMBALAJE Y DATOS LOGÍSTICOS

referencia	vol (l)	kg	TARIC	GTIN
CFL3-005-001	0,05	0,016	70172000	08434868012998
CFL3-010-001	0,14	0,021	70172000	08434868013018
CFL3-025-001	0,14994	0,023	70172000	08434868013032
CFL3-050-001	0,2704	0,032	70172000	08434868013056
CFL3-052-001	0,2704	0,032	70172000	08434868013070
CFL3-100-001	0,46475	0,069	70172000	08434868013094
CFL3-102-001	0,46475	0,069	70172000	08434868013131
CFL3-103-001	0,01	0,01	70172000	08434868013155
CFL3-101-001	0,46475	0,069	70172000	08434868013117
CFL3-252-001	1,215	0,097	70172000	08434868013254
CFL3-251-001	1,215	0,097	70172000	08434868013230
CFL3-250-001	1,215	0,097	70172000	08434868013216
CFL3-503-001	2,1175	0,16	70172000	08434868013315
CFL3-500-001	2,1175	0,16	70172000	08434868013292
CFL3-1K3-001	4,312	0,317	70172000	08434868013193
CFL3-1K0-001	4,312	0,317	70172000	08434868013179
CFL3-2K0-001	9,072	0,56	70172000	08434868013278
CFL3-005-012	2,5	0,192	70172000	08434868013001
CFL3-010-012	2,5	0,252	70172000	08434868013025
CFL3-025-012	2,5	0,9	70172000	08434868013049
CFL3-050-012	3,245	0,55	70172000	08434868013063
CFL3-052-012	3,245	0,55	70172000	08434868013087
CFL3-100-012	5,35665	0,9	70172000	08434868013100
CFL3-102-012	5,35665	0,9	70172000	08434868013148
CFL3-103-012	5,35665	0,9	70172000	08434868013162
CFL3-101-012	5,35665	0,9	70172000	08434868013124
CFL3-252-010	9,472	0,97	70172000	08434868013261
CFL3-251-010	9,472	0,97	70172000	08434868013247
CFL3-250-010	9,472	0,97	70172000	08434868013223
CFL3-503-008	15,015	1,57	70172000	08434868013322
CFL3-500-008	15,015	1,57	70172000	08434868013308
CFL3-1K3-006	19,975	2,16	70172000	08434868013209
CFL3-1K0-006	19,975	2,16	70172000	08434868013186
CFL3-2K0-002	13,275	1,28	70172000	08434868013285

FOTO DEL PRODUCTO



MATERIAL

MATERIAL : LBG 3.3

El vidrio borosilicato 3.3 es un vidrio con contenido mínimo en sílice.

Es prácticamente libre de magnesio, cal y zinc y contiene sólo trazas de metales pesados.

Composición química:

- 81% en peso de SiO_2
- 13,0% en peso de B_2O_3
- 4% en peso de Na_2O

Propiedades térmicas:

- Coeficiente de expansión lineal: $32,5 \times 10^{-7} \text{ } ^\circ\text{C}$
- Temperatura máxima de trabajo : $515 \text{ } ^\circ\text{C}$
- Temperatura de recocción: $565 \text{ } ^\circ\text{C}$
- Temperatura de reblandecimiento: $820 \text{ } ^\circ\text{C}$
- Calor específico: 0,2
- Conductividad térmica ($\text{cal/cm}^3 / \text{ } ^\circ\text{C} / \text{sec}$): 0,0027

Resistencia Química:

Este vidrio es altamente resistente al agua, soluciones neutras y ácidas, ácidos concentrados y sus mezclas, así como a cloruro, bromo, yodo, y disolventes orgánicos. Incluso durante el largos períodos de exposición y a temperaturas superiores a $100 \text{ } ^\circ\text{C}$, su resistencia química supera la de la mayoría de los metales y otros materiales.

Puede soportar repetidas esterilizaciones en seco y en húmedo sin deterioro de la superficie y su consiguiente contaminación. Resiste al ataque de diversas sustancias químicas. Sólo el ácido fluorhídrico, el ácido fosfórico muy caliente y soluciones alcalinas con el aumento de la concentración y la temperatura, atacan cada vez más la superficie de vidrio.

INFORMATIONS GÉNÉRALES

Nom produit : Fiole Erlenmeyer col rodé**Description :** En verre borosilicaté LBG 3.3

DONNÉES TECHNIQUES

référence	capacité	Ø (mm)	htotale (mm)	col	unités par ref.
CFL3-005-001	5 ml	25	50	14/23	1
CFL3-010-001	10 ml	32	60	14/23	1
CFL3-025-001	25 ml	42	70	14/23	1
CFL3-050-001	50 ml	51	85	14/23	1
CFL3-052-001	50 ml	51	85	19/26	1
CFL3-100-001	100 ml	64	105	14/23	1
CFL3-102-001	100 ml	64	105	19/26	1
CFL3-103-001	100 ml	64	105	24/29	1
CFL3-101-001	100 ml	64	105	29/32	1
CFL3-252-001	250 ml	85	135	19/26	1
CFL3-251-001	250 ml	85	135	24/29	1
CFL3-250-001	250 ml	85	128	29/32	1
CFL3-503-001	500 ml	105	170	24/29	1
CFL3-500-001	500 ml	105	165	29/32	1
CFL3-1K3-001	1000 ml	131	210	24/29	1
CFL3-1K0-001	1000 ml	131	210	29/32	1
CFL3-2K0-001	2000 ml	166	275	29/32	1
CFL3-005-012	5 ml	25	50	14/23	12
CFL3-010-012	10 ml	32	60	14/23	12
CFL3-025-012	25 ml	42	70	14/23	12
CFL3-050-012	50 ml	51	85	14/23	12
CFL3-052-012	50 ml	51	85	19/26	12
CFL3-100-012	100 ml	64	105	14/23	12
CFL3-102-012	100 ml	64	105	19/26	12
CFL3-103-012	100 ml	64	105	24/29	12
CFL3-101-012	100 ml	64	105	29/32	12
CFL3-252-010	250 ml	85	135	19/26	10
CFL3-251-010	250 ml	85	135	24/29	10
CFL3-250-010	250 ml	85	128	29/32	10
CFL3-503-008	500 ml	105	170	24/29	8
CFL3-500-008	500 ml	105	165	29/32	8

CFL3-1K3-006	1000 ml	131	210	24/29	6
CFL3-1K0-006	1000 ml	131	210	29/32	6
CFL3-2K0-002	2000 ml	166	275	29/32	2

EMBALLAGE ET LOGISTIQUE

référence	vol (l)	kg	TARIC	GTIN
CFL3-005-001	0,05	0,016	70172000	08434868012998
CFL3-010-001	0,14	0,021	70172000	08434868013018
CFL3-025-001	0,14994	0,023	70172000	08434868013032
CFL3-050-001	0,2704	0,032	70172000	08434868013056
CFL3-052-001	0,2704	0,032	70172000	08434868013070
CFL3-100-001	0,46475	0,069	70172000	08434868013094
CFL3-102-001	0,46475	0,069	70172000	08434868013131
CFL3-103-001	0,01	0,01	70172000	08434868013155
CFL3-101-001	0,46475	0,069	70172000	08434868013117
CFL3-252-001	1,215	0,097	70172000	08434868013254
CFL3-251-001	1,215	0,097	70172000	08434868013230
CFL3-250-001	1,215	0,097	70172000	08434868013216
CFL3-503-001	2,1175	0,16	70172000	08434868013315
CFL3-500-001	2,1175	0,16	70172000	08434868013292
CFL3-1K3-001	4,312	0,317	70172000	08434868013193
CFL3-1K0-001	4,312	0,317	70172000	08434868013179
CFL3-2K0-001	9,072	0,56	70172000	08434868013278
CFL3-005-012	2,5	0,192	70172000	08434868013001
CFL3-010-012	2,5	0,252	70172000	08434868013025
CFL3-025-012	2,5	0,9	70172000	08434868013049
CFL3-050-012	3,245	0,55	70172000	08434868013063
CFL3-052-012	3,245	0,55	70172000	08434868013087
CFL3-100-012	5,35665	0,9	70172000	08434868013100
CFL3-102-012	5,35665	0,9	70172000	08434868013148
CFL3-103-012	5,35665	0,9	70172000	08434868013162
CFL3-101-012	5,35665	0,9	70172000	08434868013124
CFL3-252-010	9,472	0,97	70172000	08434868013261
CFL3-251-010	9,472	0,97	70172000	08434868013247
CFL3-250-010	9,472	0,97	70172000	08434868013223
CFL3-503-008	15,015	1,57	70172000	08434868013322
CFL3-500-008	15,015	1,57	70172000	08434868013308
CFL3-1K3-006	19,975	2,16	70172000	08434868013209
CFL3-1K0-006	19,975	2,16	70172000	08434868013186
CFL3-2K0-002	13,275	1,28	70172000	08434868013285



MATÉRIEL

MATÉRIEL LBG 3.3

LBG 3.3 est un verre borosilicaté ayant un contenu minimal en silice de 80% et un très faible coefficient d'expansion ($3,3 \cdot 10^{-6} \text{ K}^{-1}$) qui appartient au groupe des borosilicates type "3.3" tel que défini par la norme ISO 3585. Il s'emploie avec des produits où se combinent résistance chimique, résistance mécanique et résistance aux changements brusques de température. En raison de cette combinaison unique, ce type de verre est majoritairement utilisé pour les produits de laboratoire.

Propriétés physiques et chimiques:

• Coefficient de dilatation linéaire (@ 20/300°C)	$3,3 \cdot 10^{-6} \text{ K}^{-1}$
• Température de réflectivité (Strain Point)	520 °C
• Température de maturation (Annealing point)	$560 \pm 10 \text{ °C}$
• Température de ramollissement (Softening point)	$820 \pm 10 \text{ °C}$
• Densité $2,23 \pm 0,02 \text{ g/cm}^3$	
• Résistance hydraulique (Selon ISO 719, eau à 98°C)	Classe 1
• Résistance hydraulique (Selon ISO 720, eau à 121°C)	Classe 1
• Résistance aux acides (Selon ISO 1776)	Classe 1
• Résistance aux alcalis (Selon ISO 695)	Classe 2

Composition typique:

- 80,4% en poids SiO_2
- 13,0% en poids B_2O_3
- 4,2% en poids Na_2O
- 2,4% en poids Al_2O_3

INFORMAZIONE GENERALE

Nome del prodotto : Beuta Erlenmeyer smerigliata**Descrizione :** In vetro borosilicato LBG 3.3

DATI TECNICI

referenza	capacità	Ø(mm)	htotale (mm)	bocchetta	unità per ref.
CFL3-005-001	5 ml	25	50	14/23	1
CFL3-010-001	10 ml	32	60	14/23	1
CFL3-025-001	25 ml	42	70	14/23	1
CFL3-050-001	50 ml	51	85	14/23	1
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CFL3-102-001	100 ml	64	105	19/26	1
CFL3-103-001	100 ml	64	105	24/29	1
CFL3-101-001	100 ml	64	105	29/32	1
CFL3-252-001	250 ml	85	135	19/26	1
CFL3-251-001	250 ml	85	135	24/29	1
CFL3-250-001	250 ml	85	128	29/32	1
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CFL3-1K3-001	1000 ml	131	210	24/29	1
CFL3-1K0-001	1000 ml	131	210	29/32	1
CFL3-2K0-001	2000 ml	166	275	29/32	1
CFL3-005-012	5 ml	25	50	14/23	12
CFL3-010-012	10 ml	32	60	14/23	12
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CFL3-050-012	50 ml	51	85	14/23	12
CFL3-052-012	50 ml	51	85	19/26	12
CFL3-100-012	100 ml	64	105	14/23	12
CFL3-102-012	100 ml	64	105	19/26	12
CFL3-103-012	100 ml	64	105	24/29	12
CFL3-101-012	100 ml	64	105	29/32	12
CFL3-252-010	250 ml	85	135	19/26	10
CFL3-251-010	250 ml	85	135	24/29	10
CFL3-250-010	250 ml	85	128	29/32	10
CFL3-503-008	500 ml	105	170	24/29	8
CFL3-500-008	500 ml	105	165	29/32	8

CFL3-1K3-006	1000 ml	131	210	24/29	6
CFL3-1K0-006	1000 ml	131	210	29/32	6
CFL3-2K0-002	2000 ml	166	275	29/32	2

IMBALLAGGIO E DATI LOGISTICI

referenza	vol (l)	kg	TARIC	GTIN
CFL3-005-001	0,05	0,016	70172000	08434868012998
CFL3-010-001	0,14	0,021	70172000	08434868013018
CFL3-025-001	0,14994	0,023	70172000	08434868013032
CFL3-050-001	0,2704	0,032	70172000	08434868013056
CFL3-052-001	0,2704	0,032	70172000	08434868013070
CFL3-100-001	0,46475	0,069	70172000	08434868013094
CFL3-102-001	0,46475	0,069	70172000	08434868013131
CFL3-103-001	0,01	0,01	70172000	08434868013155
CFL3-101-001	0,46475	0,069	70172000	08434868013117
CFL3-252-001	1,215	0,097	70172000	08434868013254
CFL3-251-001	1,215	0,097	70172000	08434868013230
CFL3-250-001	1,215	0,097	70172000	08434868013216
CFL3-503-001	2,1175	0,16	70172000	08434868013315
CFL3-500-001	2,1175	0,16	70172000	08434868013292
CFL3-1K3-001	4,312	0,317	70172000	08434868013193
CFL3-1K0-001	4,312	0,317	70172000	08434868013179
CFL3-2K0-001	9,072	0,56	70172000	08434868013278
CFL3-005-012	2,5	0,192	70172000	08434868013001
CFL3-010-012	2,5	0,252	70172000	08434868013025
CFL3-025-012	2,5	0,9	70172000	08434868013049
CFL3-050-012	3,245	0,55	70172000	08434868013063
CFL3-052-012	3,245	0,55	70172000	08434868013087
CFL3-100-012	5,35665	0,9	70172000	08434868013100
CFL3-102-012	5,35665	0,9	70172000	08434868013148
CFL3-103-012	5,35665	0,9	70172000	08434868013162
CFL3-101-012	5,35665	0,9	70172000	08434868013124
CFL3-252-010	9,472	0,97	70172000	08434868013261
CFL3-251-010	9,472	0,97	70172000	08434868013247
CFL3-250-010	9,472	0,97	70172000	08434868013223
CFL3-503-008	15,015	1,57	70172000	08434868013322
CFL3-500-008	15,015	1,57	70172000	08434868013308
CFL3-1K3-006	19,975	2,16	70172000	08434868013209
CFL3-1K0-006	19,975	2,16	70172000	08434868013186
CFL3-2K0-002	13,275	1,28	70172000	08434868013285

FOTO DEL PRODOTTO



MATERIALE

MATERIALE LBG 3.3

LBG 3.3 è un vetro borosilicato con un contenuto minimo di silice del 80% e un basso coefficiente di espansione ($3,3 \cdot 10^{-6} \text{ K}^{-1}$) che appartiene al gruppo dei borosilicati tipo “3.3”, come viene descritto nella norma ISO 3585. Si utilizza per prodotti dove si deve combinare resistenza chimica, resistenza meccanica e resistenza ai cambi bruschi di temperatura, e proprio per questa combinazione unica è il tipo di vetro di riferimento con il quale si fabbricano la maggior parte dei prodotti da laboratorio.

Proprietà fisiche e chimiche

• Coefficiente di espansione lineare (@ 20/300 °C):	$3,3 \cdot 10^{-6} \text{ K}^{-1}$
• Temperatura di decotto (Strain point):	520 °C
• Temperatura di maturazione (Annealing point):	$560 \pm 10 \text{ °C}$
• Temperatura di rammollimento (Softening point):	$820 \pm 10 \text{ °C}$
• Densità:	$2,23 \pm 0,02 \text{ g/cm}^3$
• Resistenza idrolitica (secondo ISO 719, acqua a 98 °C):	Classe 1
• Resistenza idrolitica (secondo ISO 720, acqua a 121 °C):	Classe 1
• Resistenza agli acidi (secondo ISO 1776):	Classe 1
• Resistenza agli alcali (secondo ISO 695):	Classe 2

Composizione tipica:

- 80,4% in peso SiO_2
- 13,0% in peso B_2O_3
- 4,2% in peso Na_2O
- 2,4% in peso Al_2O_3