

FlexChroma™ Brim Info Guide

- Let's Decode the Brim Information -

Ver.1.10 2026.7.24

1. Introduction

FlexChroma™ models create custom filament by combining commercially available filaments.

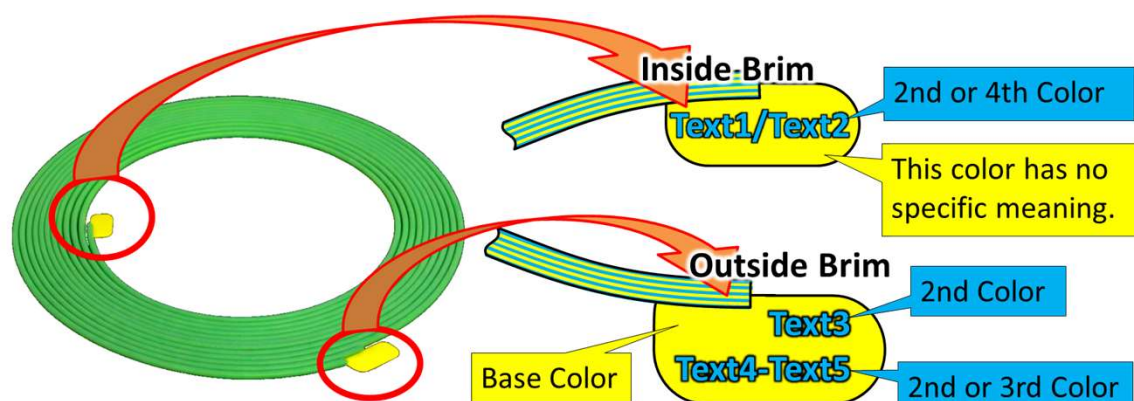
Information is displayed on the brim so that the specifications of each printed filament can be identified easily.

This guide explains how to interpret that information.

2. Functions of the Brim

The brim serves two purposes: improving bed adhesion and displaying filament information.

Because the available space on the brim is limited, abbreviations are used to display the filament information.



Meaning of the Text

The inside brim identifies the filament series and size.

The outside brim displays the specifications selected for that series.

● Meaning of the Colors

The color of the outside brim indicates the base color.

The color of the inside brim has no specific meaning.

The text in the upper row of the outside brim indicates the second color.

The text color in the lower row indicates the third color when one is used; otherwise, it indicates the second color.

The text color on the inside brim indicates the fourth color when one is used; otherwise, it indicates the second color.

● 3. Information for Each Series

The previous section explained the basic structure of the brim information. The text displayed on the brim varies by series. The information used for each series is summarized below.

Brim information List

	Outside brim			Inside brim	
Blend Filament	Mixing Ratio			Line	Size
	ex. 50%			BL	ex. S4
Blend Color Checker	Insertion direction	Type		Line	Size
	ex. IN→	ex. STD		BL	T1
Gradient Filament	Insertion direction	Curve name	Cycle count	Line	Size
	ex. IN→	ex. Neut	ex. 0.5cyc	GR	ex. S4
New Series Preview	Hint			Line	
	GRA			Prev	

● 4. Blend Filament

Blend Filament combines two filaments at different mixing ratios to create new colors. Because its structure is simpler than that of the other series, less information is required and the outside brim contains only one row of text.

[Inside Brim]

The series abbreviation “BL” is followed by “/” and the size name. On early models, the series abbreviation and “/” are omitted.

Example: BL/M4 (indicates a Blend Filament M4 model)

[Outside Brim]

The proportion of the base color is shown as a percentage.

Example: (75%) in blue text on a yellow brim

Indicates a mixing ratio of 75% yellow and 25% blue

Series List

Line name	Abbreviation
Blend-F	BL
Gradient-F	GR
New Series Preview	Prev

Size List

Size	Abbreviation
M1 size	M1
M2 size	M2
M3 size	M3
M4 size	M4
S1 size	S1
S2 size	S2
S3 size	S3
S4 size	S4
Tools	T1
S4 Beta	S4b

4-1. Blend Color Checker

[Inside Brim]

The series abbreviation “BL” is followed by “/” and the tool abbreviation “T1.”

Example: (BL/T1) indicates a Blend Color Checker

[Outside Brim]

There are two types of Blend Filament models: Standard and Detail. The identification details for each are shown in the table below..

Type	Abbreviation
Standard	STD
Detail	DTL

5. Gradient Filament

Gradient Filament provides multiple color curves for different color combinations, with models available in different cycle counts. Each model also has a recommended insertion direction.

Because more information is required, the outside brim contains two rows of text.

[Inside Brim]

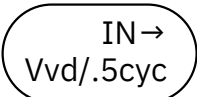
The series abbreviation “GR” is followed by “/” and the size name. On early models, the series abbreviation and “/” are omitted.

The notation follows the same format as Blend Filament.

Example: (GR/S4b) indicates a Gradient Filament S4 Beta model

[Outside Brim]

The upper row displays “IN→” to indicate the recommended insertion direction. The lower row displays the color-curve abbreviation, followed by “/” and the cycle count.

Example: 

The arrow indicates the insertion direction, and the lower row indicates a 0.5-cycle gradient using the Vivid color curve.

Insertion Direction Instructions

Insertion direction	IN→
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Curve name List

Curve name	Abbreviation
Vivid(Default)	Vvd
Half1	Hf1
Half2	Hf2
Neutral	Neu
Contrast	Ctr
Deep	Dep

Cycle Count List

Cycle Count	Abbreviation
0.5 cycle	.5cyc
1 cycle	1cyc
2 cycle	2cyc
4 cycle	4cyc

6. New Series Preview

New Series Preview models provide a preview of an upcoming series.

[Inside Brim]

Only the series abbreviation “Prev” is displayed.

The notation follows the same format as Blend Filament.

Example:  indicates a New Series Preview model

[Outside Brim]

There is no fixed notation. A new series preview model is created to build anticipation for the “new series.” As a result, a hint is displayed on the outer brim.

Example:  is a clue to the answer: “gradient filament.”

7. Handling the Brim

The brim is not required when using the filament, so remove it before use.

Because the brim identifies the specifications used to print the filament, we recommend leaving it attached during storage when the filament will not be used immediately.

● 8. Update History

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Ver.1.10 2026-07-24 Revisions for Integrated Design