

HueForge filament transparency values and HexCodes

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If you're using the **HueForge** program, you might find these values useful.

The HueForge transparency (TD) and HexCode values are measured for all of our Prusament materials and colors. The transparency values range from 0.1 to 100, where 0.1 is the least transparent material and 100 is the clear transparent material. For the HueForge and similar applications, it means, that the transparent materials may create unique color combinations when printed in layers mixed with other colors.

The HueForge TD (Transmission Distance) is a number showing how much light the filament lets through. You can learn more about these values and how the HueForge works on their [website](#).

Material	Product	HueForge TD	HueForge HexCode	Note
PLA	Prusament PLA Army Green 1Kg	0.4	163F0D	
PLA	Prusament PLA Azure Blue 1Kg	6.6	25D4D6	
PLA	Prusament PLA Blend Lime Green 970 g	3.5	FFFFBC	
PLA	Prusament PLA Blend Ms. Pink 970 g	4.1	FFA4D7	
PLA	Prusament PLA Blend My Silverness 970g	1.0	C4DDC0	
PLA	Prusament PLA Blend Oh My Gold 970g	4.1	FFFF8E	
PLA	Prusament PLA Blend Pearl White 970g	5.4	FFFFFF	
PLA	Prusament PLA Blend Royal Blue 970g	0.8	1067C2	
PLA	Prusament PLA Blend Viva La Bronze 970g	1.9	FBB556	
PLA	Prusament PLA Galaxy Green 1kg	3.2	15ED26	
PLA	Prusament PLA Galaxy Purple 1Kg	4.7	0F0939	
PLA	Prusament PLA Galaxy Silver 1Kg	6.4	CFE3C0	
PLA	Prusament PLA Gentleman's Grey 1Kg	0.3	0A2811	
PLA	Prusament PLA Gravity Grey 1Kg	0.7	C4E0C3	
PLA	Prusament PLA Jet Black 1Kg	0.3	0A1E0B	
PLA	Prusament PLA Lipstick Red 1Kg	3.3	FF0D1A	
PLA	Prusament PLA Marble Grey 1kg	3.5	FFFFFF	
PLA	Prusament PLA Opal Green 1Kg	4.0	0B691D	
PLA	Prusament PLA Pearl Mouse 1Kg	2.3	CFDA92	
PLA	Prusament PLA Pineapple Yellow 1Kg	7.6	FFFF93	
PLA	Prusament PLA Prusa Galaxy Black 1Kg	0.2	163114	
PLA	Prusament PLA Pristine White 1kg	5.1	FFFFFF	
PLA	Prusament PLA Prusa Orange 1Kg	6.6	FF7238	
PLA	Prusament PLA Recycled 2kg	0.4	0D210C	Inconsistent color
PLA	Prusament PLA Simply Green 1kg	3.0	B8FF78	
PLA	Prusament PLA Vanilla White 1Kg	7.1	FFFFF7	
PLA	Prusament PLA Premium Mystic Brown 1Kg	1.8	2410D0	
PLA	Prusament PLA Premium Mystic Green 1Kg	1.0	3D651F	
rPLA	Prusament rPLA Risotto Pigment 1kg	11.0	FFFFF3	Inconsistent color
rPLA	Prusament rPLA Alpine Pigment 1kg	4.2	201C08	Inconsistent color
rPLA	Prusament rPLA Wine Pigment 1kg	2.8	8E1012	Inconsistent color
rPLA	Prusament rPLA Corn Pigment 1kg	6.2	D89C43	Inconsistent color
PETG	Prusament PETG Anthracite Grey 1Kg	0.3	0C2C11	
PETG	Prusament PETG Carmine Red Transparent 1kg	6.2	E32B1F	
PETG	Prusament PETG Chalky Blue 1kg	0.6	85D1C4	
PETG	Prusament PETG Clear 1kg	100	FFFFFF	
PETG	Prusament PETG Jet Black 1Kg	0.3	0A1E0B	
PETG	Prusament PETG Jungle Green 1kg	0.5	0F8827	
PETG	Prusament PETG Lipstick Red 1kg	2.8	FF0D1A	
PETG	Prusament PETG Mango Yellow 1kg	2.6	FFFFBF	
PETG	Prusament PETG Matte Black 1kg	0.3	09200A	
PETG	Prusament PETG Neon Green Transparent 1kg	75	FFFFFF	
PETG	Prusament PETG Ocean Blue 1Kg	3.0	09DEEC	
PETG	Prusament PETG Pistachio Green 1Kg	0.9	C0EEA5	
PETG	Prusament PETG Prusa Galaxy Black 1Kg	0.2	133112	
PETG	Prusament PETG Prusa Orange 1kg	6.2	FF7E3C	
PETG	Prusament PETG Prusa Orange Transparent 1kg	44.2	FFFFDB	
PETG	Prusament PETG Recycled 2kg	0.4	0D210C	Inconsistent color
PETG	Prusament PETG Signal White 1Kg	3.4	FFFFFF	
PETG	Prusament PETG Terracotta Light 1Kg	1.5	FFB192	
PETG	Prusament PETG Ultramarine Blue Transparent 1kg	8.2	071DF2	
PETG	Prusament PETG Urban Grey 1kg	0.5	BED2AF	
PETG	Prusament PETG Yellow Gold 1kg	9.2	FFFF57	
PETG Special	Prusament PETG Carbon Fiber Black 1kg	0.3	0C250D	
PETG Special	Prusament PETG Tungsten 75% 1kg	0.3	143113	
PETG Special	Prusament PETG V0 Jet Black 1kg	0.3	0A1E0B	
PETG Special	Prusament PETG V0 Natural 1kg	10.4	FFFFFF	
PVB	Prusament PVB Bright Green Transparent 500g	49.2	FFFFFF	
PVB	Prusament PVB Dark Blue Transparent 500g	7.6	053FA6	
PVB	Prusament PVB Light Yellow Transparent 500g	34.6	FFFFEC	
PVB	Prusament PVB Natural Transparent 500g	100	FFFFFF	
PVB	Prusament PVB Prusa Orange Transparent 500g	34.7	FFF38A	
PVB	Prusament PVB Smoky Black Transparent 500g	18.0	FFFFE6	
Woodfill	Prusament Woodfill Linden Light 1kg	2.4	FFFCC0	
ASA	Prusament ASA Jet Black 850g	0.4	0C1B0B	
ASA	Prusament ASA Lipstick Red 850g	2.0	EB141B	
ASA	Prusament ASA Natural 850g	6.5	FFFFFF	
ASA	Prusament ASA Prusa Galaxy Black 850g	0.1	12280F	
ASA	Prusament ASA Prusa Orange 850g	4.4	FF8344	
ASA	Prusament ASA Sapphire Blue 850g	0.3	071F16	
ASA	Prusament ASA Signal White 850g	2.4	FFFFFF	
PC	Prusament PC Blend Jet Black 970g	0.4	0B230D	
PC	Prusament PC Blend Natural 970 g	11.3	FFFFFF	
PC	Prusament PC Blend Prusa Orange 970g	6.4	FF9445	
PC	Prusament PC Blend Urban Grey 970g	0.5	C3DBBF	
PC	Prusament PC Blend Prusa Pro Green 970g	1.6	8DFFD6	
PC CF	Prusament PC Carbon Fiber Black 800g	0.1	0D250D	
PA11 CF	Prusament PA11 Carbon Fiber Black 800g	0.1	0D250D	
PEI 1010	Prusament PEI 1010 Natural 500g	100	FFFFFF	

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2 comments

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Razor • 9 months ago

Awesome thanks! Can you please do this for Jessie filaments as well?

Reply

Jan Kratochvíl • 9 months ago

Hello, I believe you should ask the manufacturer about this.

Reply

T.Rob • 10 months ago

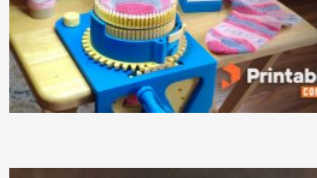
Thanks for the chart! I'm just starting to learn HueForge thrilled that Prusa supports it this way. Couple of questions, though... Marble Grey listed here as #FFFFFF is #B0B4B5 on the product page. Same with Blend Pearl White. PETG Neon Green Transparent shows as #FFFFFF here. Shouldn't the RGB values be lower? Like #D0FFD0 or thereabouts? Army Green PLA shows as #163F0D here but #5E6345 on the product page. If the discrepancies are intentional (tweaked for HueForge performance perhaps?), could someone update the page to explain why? If not, could someone reconcile the values between the chart and product pages? If the hex codes are off are the TD Values off as well? Tho!

Reply

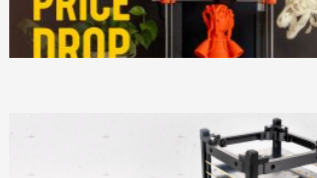
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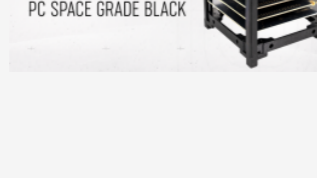
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