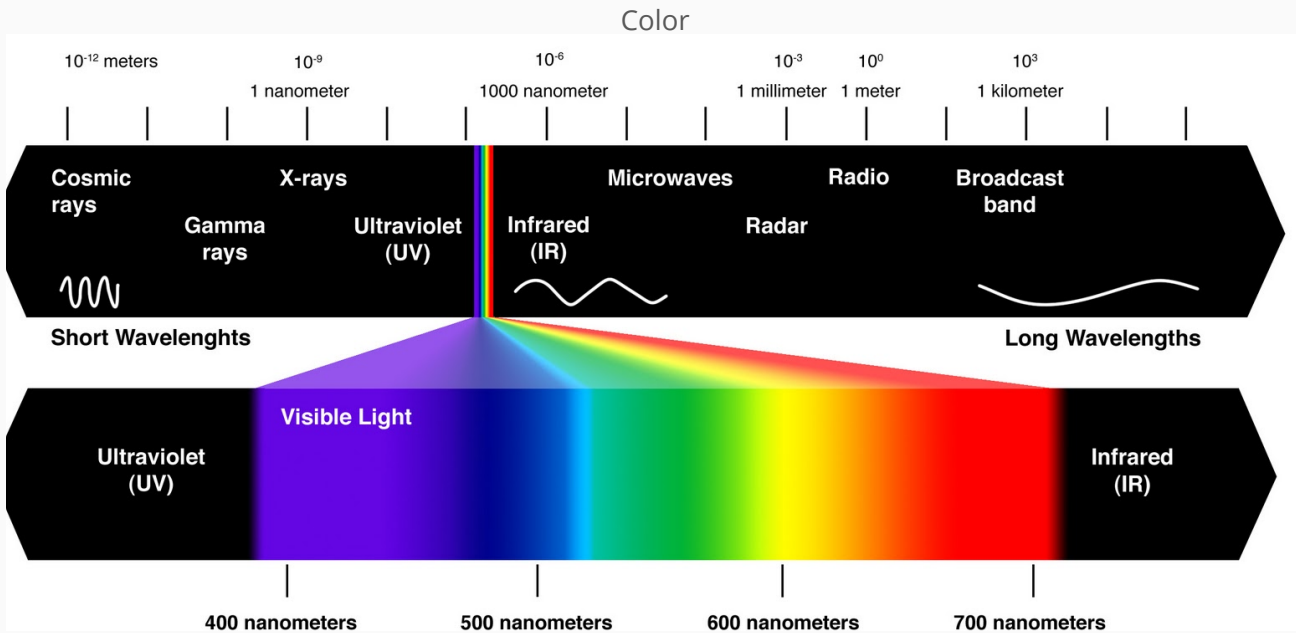


BAMBERGER POLYMERS TECH TIPS



What is Color?

Before color can be defined, you need to be able to see color.

In order to see color, three things are required:

- An Object
- An Observer A
- Light Source

Humans perceive wavelengths as colors. The visible spectrum of light is between 400-700nm. Ex. violet, at 400nm with the opposing red at 700nm.

Light source selection can also affect how the color of your finished part is perceived. Therefore, it is critical to consider where your part will be used and select a consistent light source when measuring color early in the design process.

Light Source

Color Temperature

| | |
|----------------|-------|
| INCANDESCENT A | 2856K |
| U30/TL84 | 3000K |
| FLUORESCENT | 4150K |
| DAYLIGHT | 6500K |

Metamerism -

- An apparent change in the color of an object when viewed in different light. - A metamerism is present when two objects with differing spectral curves appear identical under one light, but different under another



Bamberger Polymers