

# Color-Gloss

## Principle

Determination of Color and Gloss of samples.

The color properties of a white or nearly colorless sample are represented by whiteness index (WI) or yellowness index (YI).

APHA color is a color scale sometimes referred to as a "yellowness index" that is used to assess the quality of liquids that are clear to yellowish in color.

Samples are solid plates, films, pellets, powder and fluids.

## Capabilities

- Standard Practice for Computing the Colors of Objects by Using the CIE System (ASTM E 308 )
- Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates (ASTM E 313 )
- Standard Test Method for Color Determination of Plastic Pellets (ASTM 6290)
- YI of plastics (ASTM D 1925 )
- Standard Practice for Conditioning Plastics for Testing (ASTM D618)
- APHA color via internal colorimetric method. Color scale along Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale) (ASTM D1209)

## Assets

|                                                                                     | Asset                    | Details                              |
|-------------------------------------------------------------------------------------|--------------------------|--------------------------------------|
|    | BYK Gardner ColorView    | color, reflectance                   |
|   | BYK Gardner SpectroGuide | color, reflectance/gloss             |
|  | Xrite Ci7800             | color, reflectance and transmittance |

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