

Color Strength

Comparison Chart

This side-by-side comparison demonstrates the relative color strength of five SETHNESS ROQUETTE Caramel Colors. Color strength is quantified by a measurement called Tinctorial Power, $K_{0.560}$ *. The higher the Tinctorial Power, $K_{0.560}$, the darker the Caramel Color. These five products demonstrate a range of color strengths, but there are many more SETHNESS ROQUETTE Caramel Colors whose strengths are between those shown. For this comparison, each SETHNESS ROQUETTE Caramel Color was diluted to a 0.2% solution in water (2 grams per liter).

This comparison of five SETHNESS ROQUETTE Caramel Colors is intended for general guidance only. Actual color performance is dependent upon the physical and chemical characteristics of the system in which it is being used, as well as the concentration of the specific Caramel Color in the final product. We encourage consultation with our technical staff to choose the best SETHNESS ROQUETTE Caramel Color for your application.

You can also see some of the differences in hue between these samples, although this is best demonstrated on the chart on the reverse side.

* Tinctorial Power, $K_{0.560}$ (TP, $K_{0.560}$) is defined as the absorbance of a 0.1% weight/volume solution measured through a 1 cm light path at a wavelength of 560 nanometers using a high quality spectrophotometer (2 nm or less bandpass).



YT25

Tinctorial Power, $K_{0.560}$
0.025

RT80

Tinctorial Power, $K_{0.560}$
0.085

RTL120

Tinctorial Power, $K_{0.560}$
0.119

P212

Tinctorial Power, $K_{0.560}$
0.210

DSL4

Tinctorial Power, $K_{0.560}$
0.390



SETHNESS ROQUETTE
EXCELLENCE IN CARAMELS

Hue

Comparison Chart

Hue Index, s^* , is one way to objectively measure the “redness” of each SETHNESS ROQUETTE product. While the absolute values of each Hue Index, s , are meaningful, the relative values are more relevant. The higher the Hue Index, s , the more red the caramel color...as you can clearly see from the samples.

The chart demonstrates both the reference hue, and how several stages of dilution affect that color. This comparison of five SETHNESS ROQUETTE Caramel Colors is for general guidance only. While these five colors give a good representation of the range of hues within the SETHNESS ROQUETTE product line, SETHNESS ROQUETTE offers many more products whose hues fall between those shown. As always, consultation with our technical experts is recommended to find the right SETHNESS ROQUETTE Caramel Color for your needs. Actual color performance is dependent upon the physical and chemical properties of the system in which it is being used, as well as the concentration of the specific Caramel Color in the final product.

For this comparison, the reference samples have been adjusted to equal color strength.

**Hue Index, s , is a measure of the color hue or red characteristics of a Caramel Color. It is a function of the absorbances measured at wavelengths of 510 and 610 nanometers.*



YT25
Hue Index, $s = 7.2$

RT80
Hue Index, $s = 6.3$

RTLL120
Hue Index, $s = 5.6$

P212
Hue Index, $s = 5.4$

DSL4
Hue Index, $s = 4.2$

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