



The functional color company®

ARAMARK-10 SERIES

Physical & Chemical properties

- Formaldehyde-free
- Spec. Gravity: ca. 1
- pH: 7,5 - 8,5
- * Solid content: ca. 40%
- * Average particle size: 100 - 300 nm
- Hegman grind > 6,5
- Viscosity: 50 - 150 cP (25 °C)

Regulatory & Ecotox

- All non-polymeric components are registered in EINECS and TSCA (incl. polymers in TSCA).
- All non-polymeric components are registered respectively preregistered in REACH
- EN71 part 3 conformity (purity requirement). Still tests have to be carried out on final application.
- Heavy metals free (with exception of the natural values in the ppm range).

TEXT MARKER INKS / HIGHLIGHTER INKS
JET INKS, WATERBORNE INKS
SEED COATINGS
MARKING, NDT
BINDER FOR PAPER COATINGS

Technology & Applications

ARALON® ARAMARK-10 are waterborne fluorescent acrylic emulsions, made at ARALON in Heiligenroth / Germany and offer an excellent balance between color strength and brightness / fluorescence.

For optimal use in marker pens, ARALON® ARAMARK-10 emulsions are best diluted through addition of 20 - 30% of demineralized water.

ARALON® ARAMARK-10 emulsions are as such or after dilution of high water and sweat fastness and of high open cap performance

Beside their main use in text marker (highlighter) inks, ARALON® ARAMARK-10 emulsions might be used as binder, especially for fluorescent pigments of the same color and mainly for paper coatings applications.

Specialty application fields, like marking, NDT and seed coatings are also accessible. For seed coatings with high feasibility or textile coatings we do recommend the addition of our ARADIS-W10 /W60 dispersions.

Compatible binders & emulsions

ARAMARK-10 emulsions have good compatibility with the following additions:

- Acrylic emulsions
- talc
- Clay

Freeze - Thaw Stability

ARAMARK-10 emulsions freezes around - 4 °C. We do not recommend to allow the emulsion to freeze as this would harm its performance and quality.

Storage & Shelf life

ARAMARK-10 emulsions offer good storage stability, still it is recommended to use the dispersions within the shelf life period of 12 months.

Storage temperature is best between 10 and 30 °C. Storage above 35 °C shall be combined with viscosity increase. The dispersions should be protected from freezing. In spite of the integrated small anti-freezing stabilization, which is meant to avoid freezing during short transportation periods.

Packaging

1 coated* metal can = 20 kg
* coating is colorless inside the can

Available colors & Mixing recommendations

ARAMARK-100	LEMON	
ARAMARK-101	GREEN	
ARAMARK-103	ORANGE	
ARAMARK-105	RED	
ARAMARK-107	MAGENTA	
ARAMARK-109	BLUE	
<p>The above shades are only indicative; computer screens and conventional printers cannot reproduce true fluorescent shades.</p> <p>All ARAMARK-10 colors might be mixed together to obtain intermediate shades.</p>		

Any given technical information is given on a purely informative basis. ARALON cannot give any warranty for a particular use.



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About ARALON:

Today, ARALON – The NEW supplier of daylight fluorescent and functional pigments. Development, manufacturing and marketing of pigments for the paints & coatings (ARACO products), plastics (ARAPLAST), aerosols (ARASOL), and printing inks (ARAPRINT) industries only commenced in 2013 at its greenfield construction in 56412 Heiligenroth, Germany, half-way between Cologne and Frankfurt. ARALON's strengths are apparent in three key areas:

- State-of-the-art encapsulation technology coupled with modern and efficient manufacturing assets and lean operations capable of delivering best-in-class fluorescent pigments at competitive cost.
- Unique fluorescent ARAPLAST-melting pigments permitting coloration of thin olefin based films in single and multilayer packaging.
- Next generation ARAGEN-chemistry enabling unprecedented light stability of formaldehyde-free fluorescent pigments without compromising other performance attributes.

ARALON wants to surprise with best-in-class products, innovations that matter and prices hard to ignore – TRY US!

ARALON, What is behind the name and the logo?

ARALON was created as a name for our company based on the ARA, which is kind of colorful parrot. The wonderful and bright colors of the parrot's feathers are the result of light refraction through nano-sized holes in the natural polymer structure of the parrot feathers. Depending on the hole size and the number of feather layers results in an unlimited number of bright and colorful shades of light, seen by our eyes as being the color of the feathers themselves.

This has, for our company, a relevance of many kinds. Initially the brightness and purity of the parrot's colors is similar, but often less when compared to the brightness and purity of our fluorescent colors. Further, the colors of the feathers were created in completely natural way, which is for our R&D development, an orientation for the future horizons of the company.

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