



The functional color company®

ARALEAK-10 SERIES

ARALEAK-10 in short:

- * Improved light stability
- * Highest available solvent resistance
- * NON-Melting / Thermoset
- * Decomposition T > 300 °C.
- * Heat stability: 180 °C / 5 minutes
- * Average particle size: 5 - 8 µm.
- * Hegman Grind: > 3,5

**CRAYON PENS, MARKING, NDT
FILTER MARKING
POWDER BASED LEAK DETECTION
CONTRAST FLUORESCENT POWDER**

Regulatory & Ecotox

- All non-polymeric components are registered in EINECS and TSCA (including polymers in TSCA).
- All non-polymeric components are registered respectively preregistered in REACH
- Heavy metals free (with exception of the natural values in the ppm range).

Technology & Applications

ARALON® ARALEAK-10 is developed as an optimal choice for solvent and water resistance demanding applications. Fluorescent dyes are dissolved & bonded, encapsulated respectively embedded in a carrier. The chemical respectively physical bond ensure highest possible resistance against migration and staining. The solid solution is milled to optimal particle size. This technology results in ARALON® ARALEAK-10 as excellent **STIR-IN** pigments.

The chemical nature of the ARALON® ARALEAK-10 carrier as modified melamine formaldehyde resin and its pigment engineering deliver **high water and solvent resistance**. Advantage of the chosen pigment engineering are very **good staining performance**, while binder free formulations of ARALEAK-10 series are easily washed out, conventional pigments and dyes leave their undesired high staining on the hands or fibers after washing. The pigment engineering ensure too highest quality performance in **heat resistance**.

The ARALEAK-10 series is obtained from our ARACO-10 series, where products, which are OFF shade in the ARACO-10 series are sorted out under the ARALEAK-10 series. For this, the individual shades of the ARALEAK-10 series might change with time and do not have shades STANDARDS. Those shade differences might be the results of human mistakes by dye loading on production scale, slight grind differences and slight composition differences. Depending on the current lot, all relevant OFF SPEC properties compared to the ARACO-10 STANDARDS shall be informed to the customer.

Shades are not always available, while the ARACO-10 series gives always a pack-up in urgent situations, contact us for available shades and stock. For more detailed information regarding our ARACO-10 series, please see its technical data sheet.

Storage & Shelf life

ARALEAK-10 series products are stable. Provided they are stored in dry places at ambient temperatures (below 40 °C) the predicted shelf life is 60 months. However depending on the quality of storage conditions, products might be used beyond this shelf life period.

Colors (ask for availability!)

ARALEAK-109 UV	BLUE	
ARALEAK-100	LEMON	
	STD Color varies	
ARALEAK-103	ORANGE	
	STD Color varies	
ARALEAK-105	RED	
	STD Color varies	
ARALEAK-107	MAGENTA	
	STD Color varies	
<p>The above shades are only indicative; computer screens and conventional printers cannot reproduce true fluorescent shades.</p>		

Packaging

Package = Minimal order
1 Carton BOX= 20 kg

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

Mixing recommendations

ARALEAK-109 UV BLUE 20 % Pigment Blue 15 dispersion	15 parts 1-3 parts	Fluorescent BLUE	
ARALEAK-100 LEMON 20 % PIGMENT GREEN 7 dispersion	15 parts 1-3 parts	Fluorescent GREEN	
ARALEAK-109 UV BLUE with all other ARALEAK-10 shades		Less color strength without brightness loss	Conserved brightness
Neighboring ARALEAK-10 shades		Optimal fluorescent intermediate colors	Inter-mediate shades
<p>For more hiding power use ZnS pigment dispersions instead of TiO₂ pigment dispersions to preserve optimal brightness, especially under UV light.</p>			



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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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