

BYK-A 500 BYK-A 501
BYK-A 515 BYK-A 550
BYK-A 555 BYK-A 560

Silicone-Free Air Release Additives for Unsaturated Polyester, Epoxy and PUR Resins

Composition

BYK-A 500 BYK-A 501 BYK-A 515 BYK-A 550 BYK-A 555	Solution of foam destroying polymers, silicone free
BYK-A 560	Solution of foam destroying polyacrylates and polymeres, silicone free

Typical Properties

	Density at 20°C in g/ml	Non-volatile matter in %	Flash point in °C	Hazen color index	Turbidity TE/F	Refractive index at 20°C
BYK-A 500	0,88	6,5	45	<200	<10	1,495
BYK-A 501	0,89	44,0	46	<200	<10	1,500
BYK-A 515	0,82	20,0	34	<250	<5	1,439
BYK-A 550	0,87	9,7	47	<250	<5	1,501
BYK-A 555	0,88	38,0	43	<250	<10	1,507
BYK-A 560	0,87	12,0	43	<250	<10	1,491

Values indicated in this data sheet describe typical properties and do not constitute specification limits.

Recommended Levels

	% additive (as supplied) based upon
	total formulation
BYK-A 500 BYK-A 501 BYK-A 515 BYK-A 550 BYK-A 555	0,1 - 0,5
BYK-A 560	0,2 - 0,5

Incorporation and Processing Instructions

To prevent air entrapment caused during the manufacturing and/or application process, it is recommended to stir the air release additive into the resin prior to the addition of other formulation components.

In some resin systems air release additives may cause haze in finished parts.

Applications

	UP-Resins	Fiber wet- ting	Gel Coats	Casting	Transpa- rent parts	Epoxy resins	PUR-Sys- tems	Acrylic solid surface
BYK-A 500	■	-	□	□	■	■	□	-
BYK-A 501	□	-	□	□	-	■	■	-
BYK-A 515	■	□	□	□	-	-	-	■
BYK-A 550	□	-	□	■	■	■	□	-
BYK-A 555	■	-	■	■	-	□	□	-
BYK-A 560	■	■	■	■	-	□	-	-

■ recommended

□ suitable

Special Features and Benefits

BYK-A 500	shows a good compatibility in UP-resins and is specifically recommended for transparent final parts. Also is used in Epoxy flooring formulations and PUR systems.
BYK-A 501	is a highly effective air release additive similar to BYK-A 555.
BYK-A 515	is a highly surface active air release additive with fiber wetting properties. In hand lay up and spray up applications BYK-A 515 is often used in combination with BYK-A 555 or BYK-A 501. In highly thixotropic gel-coats BYK-A 515 is sometimes the only effective air release additive. BYK-A 515 is often used in acrylic syrup to prevent air entrapment.
BYK-A 550	shows a strong air release effect without creating a strong haziness effect in unsaturated polyester resins.
BYK-A 555	shows the highest efficiency and is the best air release additive for practically all UP-resins and applications.
BYK-A 560	combines a very good air release effect with very good fiber wetting properties. BYK-A 560 is recommended for all fiber glass reinforced unsaturated polyester applications. In some gel coat formulations BYK-A 560 shows excellent air release effects specifically in airless applications.

Available Packaging

Drums and pails

Containers not completely emptied must be closed immediately after use!

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This information is given to the best of our knowledge. Because of the multitude of formulations, production and application conditions, all the above mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

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