



Additive Selection Chart PVC-AG 1

# Additives for PVC Plastisols and Thermoplastic PVC

September 2019



## Additives for PVC Plastisols

### Viscosity Depressant

	Transparent	Foamed	Filled	Low Emission	Low Fogging
<b>Low shear rates</b>					
BYK-1160 *	■	□	□	■	■
BYK-1163 *	■	□	□	■	■
BYK-1164 *	■	□	□	■	
BYK-1165		□	■	■	
BYK-1166 *	■	■	□	■	
<b>Total shear rate</b>					
VISCOBYK-4015	□	■	□		■
VISCOBYK-4041	■	■	■		
VISCOBYK-5120	■	■	■	■	
VISCOBYK-5125	■	■	■	■	
VISCOBYK-5130	■	■	■	■	

figure 1

### Wetting and Dispersing Additives

	Inorganic Pigments	Organic Pigments	Carbon Blacks	Azodicarbonamide	Low Emission	Low Fogging	Dispersing Medium
BYK-1162					■		■
BYK-1165	■				■		
BYK-9076	□	□	■	■	■	■	
BYK-9077			■		■	■	
DISPERBYK-102	■				■		
DISPERBYK-2157	■	■	■	■	■	■	
DISPERPLAST-1142	■				■	■	
DISPERPLAST-1148	■			■	■	■	
DISPERPLAST-1150	■			■	■	■	
DISPERPLAST-I **	■	■		□	■	■	
DISPERPLAST-P **	■	■	■	□	■	■	

figure 2

### Rheology Additives

	Transparent	Foamed	Filled	Low Emission	Low Fogging	Reduced Flooding/Floating of Pigments
RHEOBYK-410	■	■	■	■	■	■
RHEOBYK-7410 ET	■	■	■	■	■	■
RHEOBYK-D 410	■	■	■	■	■	■
GARAMITE-1958		■	■	■	■	■
GARAMITE-7303		■	■	■	■	■

figure 3

### Air Release Additives and Defoamers

	Transparent	Foamed	Filled	Low Emission	Low Fogging
BYK-1160 *	□	□	□	■	■
BYK-1163 *	□	□	□	■	■
BYK-1164 *	□	□	□	■	
BYK-1166 *	■	■	□	■	
BYK-3105 ***	□	■	■	■	■
BYK-3155	■	■	■	■	
BYK-067 A ***	■	■	■	■	■

figure 4

### Foam Stabilizers for Mechanical Foams

	Hydrophilic Foams	Hydrophobic Foams	Reduction of Density	Low Emission	Low Fogging
BYK-8020 ***		■	■	■	■
BYK-8070	■		■	■	■

figure 5

### Moisture Absorber

	Transparent	Foamed	Filled	Low Emission	Low Fogging
BYK-2616			■	■	■

figure 6

### Matting Agent

	Transparent	Filled
CERAFLOUR 993	■	■

figure 7

### Processing Additive to Improve Release Properties

	Gelling Drum	Release Paper	Conveyor Belts	Molds	Low Emission	Low Fogging
BYK-P 4100	■	■	■	■	■	■

figure 8

### Additive to Increase Electrical Conductivity

	Transparent	Filled	Surface Resistivity	Volume Resistivity
BYK-5128	□	■	□	■

figure 9

### Additive to Improve Substrate Wetting

	Release Paper	Textile	Other Substrates
BYK-3760 ***	■	■	■

figure 10

### Additive to Increase the Surface Energy after Gelling

	Transparent	Foamed	Filled
BYK-3560	■	■	■

figure 11

■ especially recommended □ recommended

\* The effectiveness is dependent on the PVC type used. Especially recommended for pseudoplastic PVC types.

\*\* contains DIDP

\*\*\* silicone-containing

# Additives for Thermoplastic PVC

## Processing Additives

	Internal Lubricant	External Lubricant	Low Emission	Low Fogging
BYK-P 4100	■	■	■	■
BYK-P 4101	■	■	■	■

figure 12

## Additive to Increase Electrical Conductivity

	Transparent	Filled	Surface Resistivity	Volume Resistivity
BYK-5128	□	■	□	■

figure 13

## Wetting and Dispersing Additives

	Low Filler Content	High Filler Content	Faster Plastification	Lower Melt Viscosity	Higher Elongation at Break	Low Emission	Low Fogging
BYK-P 4100	■	□				■	■
BYK-P 4101	■	□				■	■
DISPERPLAST-1180	□	■	■	■	■	■	■

figure 14

■ especially recommended □ recommended

For more information about our additives and instruments, as well as our additive sample orders please visit:

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