

Pigment Yellow 180 - Benzimidazolone Pigment

Pigment Yellow 180 is a greenish to medium-shade benzimidazolone pigment that offers high color strength, excellent fastness properties, outstanding heat resistance, and good dispersibility. It is widely used in plastics, printing inks, and coating applications.

With excellent heat resistance of up to 290°C and exceptional migration resistance, Pigment Yellow 180 is particularly well suited for a wide range of plastics, including polyolefins, PVC, PS, ABS, PC, and polyester. It exhibits no migration in plasticized PVC, making it an ideal choice for demanding plastic applications.

In printing inks, Pigment Yellow 180 is commonly used in applications where diarylide yellow pigments are unsuitable. Unlike diarylide pigments, which begin to decompose at temperatures above 200°C, Pigment Yellow 180 provides superior thermal stability, making it especially suitable for high-temperature applications such as metal decorating and packaging inks.

In the coatings industry, Pigment Yellow 180 is primarily used in powder coatings for architectural aluminum profiles, metal furniture, household appliances, and general industrial equipment. Its excellent heat resistance, weatherability, and color stability ensure durable, high-quality finishes in demanding environments.

Pigment Yellow 180 complies with the applicable requirements of the U.S. FDA and EU REACH regulations.

Recommended Products

TCY18001E	Full Color	Tint Color
TCY18001R	Full Color	Tint Color
TCY18002F	Full Color	Tint Color
TCY18002IJ	Full Color	Tint Color
TCY18004	Full Color	Tint Color
TCY18005	Full Color	Tint Color



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Application Performance

● = Recommended ○ = Limited suitability or potential use Blank space = Not recommended or we have not tested yet

Coatings

TC Product	Automotive		Industrial				Decorative	
	OEM	Refinish	S/B	W/B	Coil Coating	Powder Coating	S/B	W/B
TCY18002F						●	○	



Plastics

TC Product	General										Fiber	
	PE	PP	PVC	PS	ABS	POM	PMMA	PA6	PC	PET	PP	PET
TCY18001E	●	●	●	●	●	●	●		●	○	●	
TCY18001R	●	●	●	●	●	●	●		●	○	●	
TCY18005	●	●	●	●	●	●	●		●	○		



Inks

TC Product	Offset		S/B			W/B	UV	
	Sheetfed	Metal	NC	PU	Other		Offset	Flexo
TCY18001E	●	●	●				●	○
TCY18002F	●	●	●	●	○		●	○
TCY18004	●	●	●	●	○		●	○



Digital

TC Product	Inkjet			Toner	
	W/B	S/B	UV	Pulverized Toner	Chemical Toner
TCY18002IJ		●	●		

