



Product Description	
Chemical characterization	Benzimidazolone
Color Index	Pigment Yellow 180
Appearance	Yellow powder
C.I. No.	21290
CAS No.	77804-81-0

Product Description			
	Unit	Value	Test Method
Hue angle [1/3 SD]		89.7	acc. to DIN EN ISO/CIE 11664-4

Technical Data			
	Unit	Value	Test Method
Density	[g/cm ³]	typ. 1.5	acc. to ISO 787-10
Bulk volume	[l/kg]	typ. 5.1	acc. to ISO 697
Specific surface	[m ² /g]	typ. 50.0	acc. to DIN ISO 66132

Fastness Properties		
Resistance to Chemicals		
	Value	Test Method
Acid	5	rating acc. to DIN EN ISO 105-A03
Alkali	4 - 5	rating acc. to DIN EN ISO 105-A03

Acid/alkali resistance: Pigment was dipped into hydrochloric acid (10%) or soda solution (10%). Rating with gray scale: 1=poor, 5=excellent.

	Value	Test Method
Migration	5	acc. to DIN EN 14469-4/DIN EN ISO 105-A03
Warping	high	
Heat resistance [1/3 SD][°C]	320	acc. to DIN EN 12877-2
Light fastness [1:10]	6	acc. to DIN EN ISO 4892-2/DIN EN ISO 105-B02

Migration: Tested in plasticized PVC system. Rating with gray scale: 1=poor, 5=excellent.

Warping: The pigment influence on the warping and shrinkage was tested for injection molded HDPE-parts.

Heat resistance: Tested in HDPE system.

Light fastness: Tested in LDPE system. Rating with 8-step wool scale: 1=poor, 8=excellent.

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Application Profile	
PVC	+++
Polyolefins	+++
PS	+++
ABS	+++
PA	++
PC	+++
Powder coatings	+++

+++ Excellent choice

++ Good choice

+ Possible choice

Packaging and Handling	
Packaging	15 kg cardboard boxes
Packaging	Different types of packaging are available on request.

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Our application information and any other information in this document as well as our product specifications are based on our current state of knowledge at the Revision Date mentioned in the respective document. They are non-binding and cannot be taken as a guarantee. The processing company must establish the suitability of individual products itself. As their use lies beyond our knowledge and control, we cannot accept any liability relating to the use of our products in particular applications. In addition to that, the legal rights of third parties must always be considered. The product specification agreed between the customer and ourselves is the basis upon which our general sales and delivery conditions are set and is the deciding factor concerning any liabilities. Our standard specification is then valid if no specification has been agreed upon between the customer and ourselves.