A Pigment of Your Imagination

NAVPAD PIGMENTS

Technical Data Sheet

Date : 01.06.2025 Revision : 06

Product Description			
C.I Generic Name	Pigment Yellow 180	NPPL Product Code	Navfast Yellow 9018
C.I No.	21290	CAS No.	77804-81-0
EINECS No.	278-770-4	Chemical Type	Benzamidazolone
Molecular Formula	C30H14Cl8N4O4	Molecular Weight	159.69
Chemical Name: Iron oxide red			

Physical Properties	
Sieve Residue (PPM) Max.	500
Oil Absorption (gms)	35-45
Bulk Density (gm/ml)	15-30
Salt Content (%) Max.	1
Moisture Content (%) Max.	1
PH Value	5-7

Mass Tone : 5%	Tint Tone : 1:10 Ratio

Fastness properties		
Heat °C	Mass Tone	290
Heat °C	Tint Tone	290
Light	Mass Tone	8
Light	Tint Tone	7
Weather	Mass Tone	5
Weather	Tint Tone	5
Migration		5

Specification	
Coloristic properties - Tint	Strength : ± 5 %
Coloristic properties - Tint	DA,DB,DE,DC,DH,DL: ± 1
Light fastness : Scale 1- 8	1~Poor & 8 ~ Excellent
Weather fastness : Scale 1- 5	1~Poor & 5 ~ Excellent
Overspray : Scale 1- 5	1~Poor & 5 ~ Excellent
Solvent Fastness: Scale 1- 5	1~Poor & 5 ~ Excellent
Heat Stability °C	DE</=3 at Maximum temp.

Application	
PP / HDPE / LDPE	PVC
Engineering Polymers	Rubber / Fiber

Note: The colors above have been generated electronically and should therefore not be used for comparison purposes. The colors are meant to give a first impression of the colorant shade.

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our Product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

ISO 9001 : 2015 ISO 14001 : 2015

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