



Technical Data Sheet

Date: 01.06.2025

Revision : 06

Product Description

C.I Generic Name	Pigment Red 146	NPPL Product Code	Navfast Red 9011
C.I No.	12485	CAS No.	5280-68-2
EINECS No.	226-103-2	Chemical Type	Naphthol AS
Molecular Formula	C33H27CIN4O6	Molecular Weight	611.04
Chemical Name: 5,12-dihydro-2,9-dimethylquino[2,3-b]acridine-7,14-dione			

Physical Properties

Sieve Residue (PPM) Max.	500
Oil Absorption(%)	55-75
Bulk Density gms/cc	0.20-0.35
Salt Content (%) Max.	1
Moisture Content (%) Max.	1
Conductivity μ S/CM (max)	500
PH Value	6.0 – 9.0

Mass Tone : 5%



Tint Tone : 1:10 Ratio



Fastness properties

Heat °C	180
Light Mass Tone	6
Light Tint Tone	5
Weather Mass Tone	4
Weather Tint Tone	5
Overspray	5
Migration	4

Solvent Fastness properties

Water	5
Ethanol	4
Ethyl Acetate	3
MEK	3
Acid	5
Alkali	5

Application

Sheetfed	Nitro Cellulose (NC)
Heatset	Polyamide (PA)
Metal Deco	NC/PA
Water Based	NC/PU
Vinyl	Air Drying Enamel
Powder Coating	Textile Printing
PP/HDPE/LDPE	PVC

Specification

Coloristic properties - Tint	Strength : \pm 5 %
Coloristic properties - Tint	DA,DB,DE,DC,DH,DL: \pm 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

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.



NAV PAD PIGMENTS PVT. LTD.

A Govt. Of India Recognized Star Export House

Regd. Office & Factory: 1196/1/A & B, Ghumasan Patia Road,
Chhatral - Mehsana Highway, Rajpur - 382715, Gujarat, India

T: +91-982-503-1388 / +91-2764-278338

E: exports@navpadpigments.com W: www.navpadpigments.com