


TECHNICAL DATA SHEET

Date:01.09.2024

Revision : 05

Product Description

C.I Generic Name	Pigment Red 53:1	NPPL Product Code	Navfast Red 9049
C.I No.	15585:1	CAS No.	5160-02-1
EINECS No.	225-935-3	Chemical Type	β-Naphthol, Ba
Molecular Formula	C17H13CLN2O4S.1/2Ba	Molecular Weight	888.98
Chemical Name:calcium 3-hydroxy-4-[(4-methyl-2-sulphonatophenyl)azo]-2-naphthoate			

Physical Properties

Sieve Residue (PPM) Max	500
Oil Absorption(gms)	60-75
Bulk Density(gm/ml)	0.25-0.45
Salt Content (%) Max.	1
Moisture Content (%) Max	1
PH Value	6.0 – 9.0

Fastness properties

Heat °C	250
Light Mass Tone	7
Light Tint Tone	6
Weather Mass Tone	-
Weather Tint Tone	-
Migration	5

Application

PP / HDPE / LDPE	Sheetfed
PVC	Heatset
Rubber / Fiber	Coldset
Water based Flexo	Metal Deco
Vinyl / NC/PA	Nitro Collulose (NC)
Powder / Coil Coating	Polyamide (PA)

Mass Tone : 5%

Tint Tone : 1:10 Ratio

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
Migration : Scale 1- 5	1~Poor & 5 ~ Excellent
Heat Stability °C	DE≤ 3 at Maximum

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.

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