A Pigment of Your Imagination

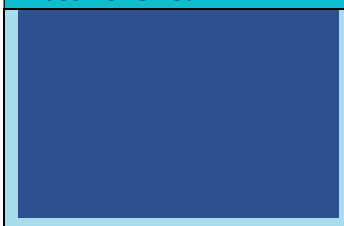
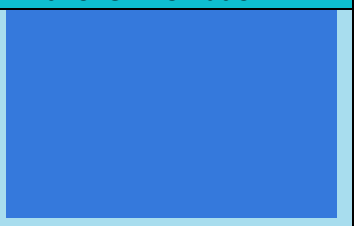
NAVPAD PIGMENTS

# Technical Data Sheet

Date : 01.06.2025 | REACH Status : Registered | Revision : 06

| Product Description | | | |
|---|---|---|---|
| C.I Generic Name | Pigment Blue 15:3 | NPPL Product Code | Navfast Blue 9144 FG |
| C.I No. | 74160 | CAS No. | 147-14-8 |
| EINECS No. | 205-685-1 | Chemical Type | Phthalocyanine Beta Blue |
| Molecular Formula | C32H16CuN8 | Molecular Weight | 576 |
| Chemical Name: Copper,[29H-phthalocyanineato(2-)-N29,N30,N31,N32]-,(SP-4-1)- | | | |

| Physical Properties | |
|---|---|
| Sieve Residue (PPM) Max. | 500 |
| Oil Absorption (%) | 45-55 |
| Bulk Density (gms/cc) | 0.30 -0.45 |
| Water Soluble Matter (%) | <1 |
| Moisture Content (%) Max. | 1 |
| Conductivity µS/CM (max) | 500 |
| PH Value | 4.0 – 7.0 |

| Mass Tone : 5% | Tint Tone : 1:9 Ratio |
|---|---|
|  |  |

| Fastness properties | | |
|---|---|---|
| Heat °C | | 300°C |
| Light | Mass Tone | 8 |
| Light | Tint Tone | 8 |
| Weather | Mass Tone | 5 |
| Weather | Tint Tone | 5 |
| Migration | | 5 |

| Specification | |
|---|---|
| Coloristic properties | Strength : ± 5 % |
| Coloristic properties | 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 |
| Solvent Fastness: Scale 1- 5 | 1~Poor & 5 ~ Excellent |
| Heat Stability °C | DE</=3 at Maximum Temp. |

| Application | |
|---|---|
| PP / HDPE / LDPE | • |
| Engineering Polymers | • |
| PVC | • |
| Rubber / Fiber | • |
| Water Based | • |
| • | Suitable |
| o | Limited Suitability |

**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

CIN No: U24220GJ1998PTC033736

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