

Bonroy International Limited

Technical Data Sheet

Ultramarine Pigment Ultramarine Blue

Edition of	05-05-2017
Type	Blue Pigment
Delivery Form	Powder
Chemical Class	Na ₆ Al ₄ Si ₆ S ₄ O ₂₀
Color Index	Pigment Blue29: 77007
CAS No.	57455-37-5
Molecular weight	862.60578
Chemical Description	Silicic acid , Aluminum Sodium salt, sulphurised
EC Number	309-928-3

COLOR VALUES AND TINTING STRENGTH

Reference DIN 55986 (1981) Standard

Reduction with titanium dioxide (1:2) colour values after matching of the tinting strength parameter

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
ΔL*	-0.6	0.6	
Δa*	-0.6	0.6	
Δb*	-0.6	0.6	
ΔE*ab		1.0	
Relative tinting strength [%]	97	103	

Technical Data

	<u>Min</u>	<u>Max</u>	<u>Test Method</u>
Water-Soluble Content [%]		0.6	DIN EN ISO 787 Part 3 (1995)
Sieve Residue (0.045mm) [%]		0.15	DIN 53195 (1990)
PH Value	7.0	10	DIN EN ISO 787 Part 9 (1995)
Free Sulfur [%]		0.06	DIN 55913 (1972)
105°C Moisture (After Prod.) [%]		1.0	DIN EN ISO 787 Part 2 (1995)
Oil Absorption [g/100g]	30.0	40.0	DIN EN ISO 787 Part 5 (1995)
Thermo Stability	300°C	350°C	Manufacturer standard
Lead content		30ppm	EN71 Part3:1994+A1:2000/AC:2002,ICP-OES
Other heavy metals(CR,Cd,Hg,As)		N.D	EN71 Part3:1994+A1:2000/AC:2002,ICP-OES
Specific gravity	2.35	2.35	GB21782-2008
Acid fastness		1 degree	
Alkali fastness	2	3 degree	
Average Particle size(μm)	1.7	1.9	

STANDARD PACKAGING 25kg/bag

Bonroy International Limited

TRANSPORT AND STORAGE

Protect against weathering. Store in a dry place and avoid extreme fluctuations in temperature. Special conditions for opened packaging: Close bags after use to prevent the absorption of moisture and contamination.

SAFETY

The product is not classified as dangerous under the relevant EC directives and corresponding national regulations valid in the individual EU member states. It is not dangerous according to transport regulations. In countries outside the EU, compliance with the respective national legislation concerning the classification, packaging, labeling and transport of dangerous substances must be ensured. The information contained in the safety data sheet should be observed. This contains information on handling, product safety and ecology.

This information is given in good faith, without warranty. It also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General conditions of sale and delivery.

Product Advantages:

- The better strict control of chromatic coordinates
 - The better strict control of particle distribution
 - The better Scatter
 - Very Good Heat Resistance
 - Excellent Fastness to Light
 - No Migratory
 - Safety and Innocuous
-