R-F 9490

Titanium Dioxide

Description

R-F 9490 is Alumina, dense Silica and organic treated rutile pigment which produced by sulphate process. It is characterized by outstanding combination of excellent color, opacity and dispersibility coupled with high exterior durability. The low dispersant demand of Inter-china R-F 9490 coupled with its high speed dispersibility provides good water-based paint performance.

Technical specification

Version: 1.0/2025

Item	Property	
TiO_2 Content, %	Min	92
Relative tinting strength, %	Min	108
Oil absorption, g/100g	Max	22
Moisture 105℃, %	Max	0.5
Sieve residue (325 mesh), %	Max	0.03
Water soluble substance, %	Max	0.5
Specific gravity, g/cm3	4.0	
Standard classification	ISO 591-1: R2	
	ASTM D476-00: V	
Color index	Pigment white 6	
Packing	25kg/bag, 500kg/bag, 1000kg/bag	
Application	Water-based coating, coil coating, powder coating.	
Storage	Store in cool, well-ventilated area. Keep away from ignition source, heat and flame. Store in a tightly closed container.	
Handling	Avoid dust formation during handling. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. In case of insufficient ventilation, wear suitable respiratory equipment. Please see the Material Safety Data Sheets (MSDS) of this product for more safety information prior to use.	

The information set forth herein is to the best of our knowledge reliable and accurate but is not to be construed as a warranty. It is subject to change without notice. For additional information regarding our products or for information concerning current specifications, please contact our Technical Customer Service.

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R-F9490 typical application performance

	Water-based industrial paints[1] (white)	Thermoplastic acrylic paints[2] (white)	Thermoplastic acrylic paints[3] (gray)
L*	96.67	96.85	61.30
b*	2.10	1.10	-3.55
20° Gloss	/	67	/
Contrast radio, %	94.9	93.1	/
*Relative tinting strength,% (Reference samples are STD.)	/	/	100

[1]Water-based industrial paints P.V.C. =50%; TiO_2 content = 0.17kg/L (13.4%)

[2]Thermoplastic acrylic resin solution (27% solid content) TiO_2.
Pigment (TiO_2) volume concentration (PVC)=16%.

[3]Thermoplastic acrylic resin solution(33% solid content), TiO_2, black colorants (Carbon black).
Pigment (TiO_2) volume concentration (PVC)=15%.

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