CR-85
Titanium Dioxide

Description

CR-85 is Alumina, Zirconia and organic treated rutile pigment which produced by chloride process. It is characterized by outstanding combination of application performance for coatings.

Technical specification

Version: 1.0/2025

Item	Property	
TiO_2 Content, %	Min	95
Relative tinting strength, %	Min	115
Oil absorption, g/100g	Max	20
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: Ⅱ	
Color index	Pigment white 6	
Packing	25kg/bag, 500kg/bag, 1000kg/bag	
Application	Solvent-based coating, can coating, marine coating, ink,etc.	
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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CR-85 typical application performance

	Thermoplastic acrylic paint[1] (white)	Thermoplastic acrylic paint[2] (gray)
L*	97.62	63.20
b*	0.55	-2.95
20° Gloss	69	/
Contrast radio, %	93.6	/
*Relative tinting strength,% (Reference samples are STD)	/	104

A)1Thermoplastic acrylic resin solution (27% solid content) TiO_2.
Pigment (TiO_2) volume concentration (PVC)=16%.

B)2Thermoplastic acrylic resin solution(33% solid content), TiO_2, black colorants (Carbon black).
Pigment (TiO_2) volume concentration (PVC)=15%.

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