

化粧品用顔料級 二酸化チタン
Submicron Titanium dioxide for Cosmetics

MKR SERIES

特徴 Characteristics

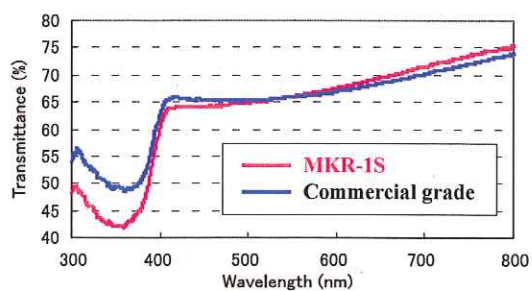
- シリコーン処理顔料級ルチル型二酸化チタン
MKR Series is submicron rutile type titanium dioxide coated by hydrogen dimethicone
- 米国・欧州の化粧品規格をクリア
MKR Series conforms to FDA and European Directive E171 standard
- 着色力が高い
MKR Series has high tinting strength

特性と適合規格 Properties & Compatible Standard

Grade Name	MKR-1	MKR-1S
Particle size / Crystal structure	0.20 μ m / Rutile	
Surface treatment	Hydrogen dimethicone	
Surface Property	Hydrophilic	Hydrophobic
JSQI「Titanium Dioxide」	Conformity	
FDA「Titanium Dioxide: CFR21 73.575」	Conformity	
European Directive E171「Titanium Dioxide」	Conformity	

光学特性 Optical Characteristics

Melamine Alkyd resin J-820/J-524 (DIC)
dry PWC=10% thickness 3 μ m



着色力 Tinting Strength

Sample	Whiteness
MKR-1S	64.80
Commercial grade	64.29

Test Method

1. Premix A, and homogenize.
2. Add B, and homogenize.
3. Apply to a glass plate by 6Mils film applicator .
4. Measure whiteness of film by color meter.

	Ingredient	% w/w
A	Methicone coated TiO ₂	9.76
	Polyglyceryl-3 polydimethylsiloxyethyl dimethicone	0.49
	Dimethicone	5.85
	Cyclopentasiloxane	10.73
	Isotridecyl isononanoate	3.90
	PEG/PEG-19/19Dimethicone and Cyclopentasiloxane	3.90
	Butylene glycol	7.80
	Sodium chloride	0.49
	Sodium citrate	0.20
	Water	54.44
B	Methicone coated Iron oxide Yellow	0.976
	Methicone coated Iron oxide Red	0.341
	Methicone coated Iron oxide Black	0.146
	Polyglyceryl-3 polydimethylsiloxyethyl dimethicone	0.044
	Dimethicone	0.932
	Total	100



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