



R2041 Rutile Titanium Dioxide

Description: R2041 is a Rutile titanium dioxide manufactured by the sulfate process. R2041 is surface treated aluminum, silicon compounds and organic matter for ease of dispersion and exterior durability. It is approved for food contact applications in 21 CFR 178.3297.

Chemical Type	Rutile Titanium Dioxide	Constitution No.	77891
Color Index	Pigment White 6	CAS No.	13463-67-7

Typical Chemical and Physical Properties

Crystal Form	Rutile
Surface Treatment	Silica / Alumina
Titanium Dioxide (%)	≥ 90
Rutile Content (%)	≥ 97
Water Soluble Matter (%)	0.2
Oil Absorption (g/100g)	< 25
Sieve Residue (325 Mesh - % max.)	0.01
Moisture Content (% Max.)	0.5
pH of Water Suspension	6.5 – 8.5
Opacity (g/m²)	≤ 35
Whiteness (%)	≥ 96

Applications

Plastics	Coatings	Inks	Other
PVC ■	Decorative	Water Flexo ■	Paper
PE ■	Automotive/Aerospace	Solvent Flexo ■	Rubber ■
PP ■	Industrial ■	InkJet	Finger Paints
PS ■	Powder ■	UV	Seed Coatings
PET ■		Offset	
Fiber			

Not Frequently Used Limited Recommended

Comments: R2041 is recommended for the construction industry.

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