

# Ti-Pure™ Grade Selection Guide for Coatings

Grade	R-706	R-900	R-902+	R-960	TS-6200	TS-6300	TS-6706
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## Industrial Applications

Vehicles - OEM/Refinish, Top Coats	◆			●	◆		◆
Functional Exterior - Marine, Protective, Aerospace Coatings	●			◆	◆		●
Industrial Building	◆		●	●	◆		◆
Aesthetic Interior	◆	◆	●				◆
Packaging, Can Coating	●	◆					●
Industrial Primers	●	◆	◆	●			●
Wood Coatings	◆	●	◆		●		◆
Inks	●	◆	●	●	◆	◆	●
Coil Coating	◆			●	◆		◆
Powder Coating	◆		●	●	◆		◆
E-Coat		◆		●			

## Architectural Applications

Interior Wall (All Finishes)	◆	●	◆			●	◆
Interior Wall (Matt/Flat)	◆		●			◆	◆
Premium Exterior Wall/Surfaces	◆		●	●	◆		◆
Interior Wood Trim/Doors	◆	●	●				◆
Exterior Wood Trim/Doors	◆		●	●	◆		◆

◆ **Highly Recommended**

● **Grade Suitable for Application**

**TMP/TME-free**

TS-6706 is a TMP- and TME-free version of R-706

1. For regulatory statements and voluntary certifications (food contact, NSF and others) please go to [www.tipure.com/en/support/stewardship](http://www.tipure.com/en/support/stewardship)

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C-XXXXX-X

# Coatings Grades TiO<sub>2</sub> Physical Properties

Grade	R-706	R-900	R-902+	R-960	TS-6200	TS-6300	TS-6706
<b>Property<sup>1</sup></b>							
TiO <sub>2</sub> wt%, min.	93	94	93	90	93	82	93
Alumina, wt%, max.	2.5	4.3	4.3	3.3	3.6	5.8	2.5
Silica, wt%, max.	3.0	—	1.4	5.5	3.3	9	3.0
Specific Gravity	4.0	4.0	4.0	3.9	4.0	3.7	4.0
Bulking Value, L/kg	0.250	0.250	0.250	0.255	0.250	0.270	0.250
Organic Treatment	Yes	No	Yes	No	Yes	No	Yes
Color, CIE L	99.4	99.8	99.6	99.9	99.4	100.0	99.4
Median Particle Size <sup>2</sup> , μm	0.36	0.41	0.405	0.50	0.39	0.53	0.36
Oil Absorption <sup>3</sup>	13.9	15.2	16.2	18.7	16.0	37.0	13.9
pH	8.2	8.1	7.9	7.2	8.0	9	8.2
Resistance at 30° C (86° F), k-ohm	10	12	8.1	6	10	6	10
Carbon Black Undertone	13.8	12.4	11.7	11.6	13.0	10	13.8

<b>Standards Classifications</b>							
ASTM D476	II,III,IV,V,VI,VII	II,III	III,IV,V,VI	III,IV	III,IV,V	III	II,III,IV,V,VI,VII
BS 1851/ISO 591/ DIN 55912	R2	R2	R2	R3	R3	R3	R2
JIS K5116	R2	R1	R4	R4	R4	—	R2

<sup>1</sup> **Property:** Values reported are “typical” unless minimum and maximum values are reported. Chemours test methods used to determine the values reported, and specification sheets, are available from Chemours Ti-Pure™ sales or technical representative.

<sup>2</sup> **Median Particle Size:** Measured using laser light scattering (HORIBA LA 300)

<sup>3</sup> **Oil Absorption:**

- Chemours Test Method (linseed oil AN 1.2)
- ASTM norm (D281-95 (2007)) uses linseed oil with AN<4
- Oil Absorption (ASTM) = Oil Absorption Chemours x 1.35

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