

Ti-Pure™ Grade Selection Guide for Coatings

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

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

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**

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

Coatings Grades TiO₂ Physical Properties

Grade	R-706	R-900	R-902+	R-960	TS-6200	TS-6300
Property						
TiO ₂ wt%, min.	93	94	93	90	93	82
Alumina, wt%, max.	2.5	4.3	4.3	3.3	3.6	5.8
Silica, wt%, max.	3.0	—	1.4	5.5	3.3	9
Specific Gravity	4.0	4.0	4.0	3.9	4.0	3.7
Bulking Value, L/kg	0.250	0.250	0.250	0.255	0.250	0.270
Organic Treatment	Yes	No	Yes	No	Yes	No
Color, CIE L	99.4	99.8	99.6	99.9	99.4	100.0
Median Particle Size, μm	0.36	0.41	0.405	0.50	0.39	0.53
Oil Absorption*	13.9	15.2	16.2	18.7	16.0	37.0
pH	8.2	8.1	7.9	7.2	8.0	9
Resistance at 30 °C (86 °F), k-ohm	10	12	8.1	6	10	6
Carbon Black Undertone	13.8	12.4	11.7	11.6	13.0	10
Standards Classifications						
ASTM D476	II,III,IV,V,VI,VII	II,III	III,IV,V,VI	III,IV	III,IV,V	III
BS 1851/ISO 591/ DIN 55912	R2	R2	R2	R3	R3	R3
JIS K5116	R2	R1	R4	R4	R4	—

* As measured by X-Ray Fluorescence Spectroscopy

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