

Ti-Pure™ Grade Selection Guide for Coatings

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

† As measured by X-Ray Fluorescence Spectroscopy

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