



TECHNICAL DATA SHEET

ANNADA® ATR-312

Product Name: Titanium Dioxide Rutile Grade ATR-312

Characters: With the advanced process control technique and the unique membrane coating process, the product has the advantages of extremely low impurity content, narrow particle size distribution of TiO_2 particles, even as well as compact coated membrane, high weather resistance, easy dispersion, high gloss and excellent scattering force, etc.

Applications: Coating, paint, plastic, rubber, printing ink, paper making, decoration materials, etc.

Main Technical Data:

Properties

<i>Process:</i>	<i>Produced by sulfate process</i>
<i>TiO₂ content (%):</i>	≥ 92.00
<i>Rutile crystal content (%):</i>	≥ 98.20
<i>CIEL*:</i>	<i>98.00 min.</i>
<i>Relative tinting strength (%):</i>	≥ 100
<i>Matter soluble in water (%)</i>	≤ 0.4
<i>Oil absorption (g/100g):</i>	17~22
<i>Water extracted PH:</i>	6.5~8.5
<i>105 °C loss 105 °C (%)</i>	≤ 0.5
<i>Residue (45um, %):</i>	≤ 0.05
<i>Water extracted resistivity ($\Omega \cdot m$):</i>	≥ 80
<i>Inorganic Treatment:</i>	<i>Silica, Alumina</i>
<i>Organic Treatment:</i>	<i>Yes</i>

Note: * Tested by Konica Minolta's CM-3500D

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