



TECHNICAL DATA SHEET

ANNADA[®] ATR-318

Product Name: Titanium Dioxide Rutile Grade ATR-318

Characters: ATR-318 is a rutile titanium dioxide product treated with the surface treatment of inorganic substances such as aluminum and hydrophobic silicone. It is characterized by excellent dispersion, high tinting strength with bluish undertone, weather resistance and good processability. Therefore, it is suitable for plastic products such as high-concentration masterbatch and engineering plastics.

Applications: ATR-318 is specially recommended for high content masterbatch, plastic color match, bluish undertone demanded in modifying plastics, engineering plastics, PVC sheets and rolling film.

Main Technical Data:

Properties

<i>Process:</i>	<i>Produced by sulfate process</i>
<i>TiO₂ content (%):</i>	<i>≥97</i>
<i>Tinting strength (%)</i>	<i>≥105</i>
<i>CIEL *</i>	<i>≥ 98.30</i>
<i>Matter soluble in water (%)</i>	<i>≤0.5</i>
<i>Oil absorption (g/100g):</i>	<i>≤16</i>
<i>105°C loss (%)</i>	<i>≤0.3</i>
<i>Residue (45um):</i>	<i>≤0.05</i>
<i>Electrical resistivity (Ω·m):</i>	<i>≥80</i>
<i>Inorganic Treatment:</i>	<i>Al₂O₃</i>
<i>Organic Treatment:</i>	<i>Yes (hydrophobic, No TMP)</i>
<i>FPV4 (EN13900-5, HG/T 4768.5) bar/g</i>	<i>≤0.2</i>
<i>ISO 591-1:2000</i>	<i>R2</i>

*Note: * Tested by datacolor 800V*

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