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PRODUCTOS TÉCNICOS S.L.

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ISO 9001
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TECHNICAL SPECIFICATION

TITANIUM DIOXIDE

We distribute the pigments from UCRANIA TITAN in the Northwest of Spain. Our range of Titanium dioxides with high purity, whiteness and opacity, can be used in many formulations due to its different grades of micronization and surface treatment of the pigment, allowing to do a better choice depending on the required quality and costs.

Parameters	R-202	R-206	TiOx-220	TiOx-230	TiOx-271	TiOx-280
TiO₂ Content	≥ 92 %	≥ 92 %	≥ 93 %	≥ 90 %	≥ 94 %	≥ 92 %
Content of rutile	≥ 96 %	≥ 97 %	≥ 97 %	≥ 97 %	≥ 97 %	≥ 97 %
Volatile substance	≤ 0.5 %	≤ 0.5 %	≤ 0.5 %	≤ 0.5 %	≤ 0.5 %	0.5 %
Water soluble substances	≤ 0.3 %	≤ 0.2 %	≤ 0.3 %	≤ 0.2 %	≤ 0.2 %	≤ 0.2 %
Surface treatment	Zn-Al-Si	Zn-Al Si	Al-Si	Al-Si-Org.	Al-Org.	Al-Zr-Org.
pH in aqueous solution	6.5 – 8.0	6.5 – 8.0	6.5 – 8.0	6.5 – 8.0	6.5 – 8.0	6.5 – 8.0
Granulometry over a 0,045 mm	≤ 0.01 %	≤ 0.01 %	≤ 0.03 %	≤ 0.01 %	≤ 0.01 %	≤ 0.01 %
Dye reduction power (Reynolds)	≥ 1800	≥ 1950	≥ 1800	≥ 1900	≥ 2050	≥ 1900
Dispersion	≤ 15 µm	≤ 14 µm	≤ 15 µm	≤ 15 µm	≤ 13 µm	≤ 13 µm
Whiteness	≥ 94.0	≥ 96.0	≥ 96.1	≥ 96.8	≥ 96.6	≥ 96.8
Opacity+	≤ 25 g/m ³	≤ 25 g/m ³	≤ 35 g/m ³	≤ 35 g/m ³	≤ 27 g/m ³	≤ 35 g/m ³
Oil absorption	25 g/100g	≤ 25 g/100g	≤ 25 g/100g	≤ 25 g/100g	≤ 20 g/100g	≤ 25 g/100g