



TMC Co., Ltd.
Trace Mineral Company Limited

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Specification of Titanium Dioxide (Rutile TMC-R9000,9100)

Physical properties

Formula	TiO ₂
Molecular weight	79.9
Appearance	White Powder
Screen Size	200 mesh through 100 %
Coating Materials	Al, Si, Zr

Specification

	TMC-R9000	TMC-R9100
TiO ₂ content	92~95 %	92~95%
Rutile content	98 % min	98% min
Moisture at 105°C	0.3 % max	0.3% max
Mesh Residue 45 µm	0.05% max	0.05% max
pH of aqueous extract	6.5~8.0	6.5~8.0
Tinting Reducing Power	1800 min	1800 min
Oil absorption	22 g/100g max	22 g/100g max
Water soluble	0.3 % max	0.3 % max
Water absorption	25 % max	25 % max
Dispersion in Water	80 % min	80% min
Specific Resistance	5,000~10,000 ohm/cm	5,000~10,000 ohm/cm
Usage	For Paint, Paper	For Plastic, Ink
Coating Materials	Al, Si 3.4 %	Al, Si, Zr 5.0 %