



313 Winter St
PO BOX 367
(800)669-5043

TECHNICAL DATA SHEET

Super RS220

Applications

- SCR catalyst for exhaust gas from power plants with fire coal, fuel oil, and incineration
- Exhaust gas from chemical factory, oil refinery, coking plant, glass manufacturer
- Exhaust gas from vehicle and ship, nitrogen oxide, and dioxin

Technical Data Parameter

Item	Pure TiO ₂	TiO ₂ -SiO ₂	TiO ₂ -WO ₃	TiO ₂ -WO ₃ -SiO ₂
BET surface area m ² /g	90 ± 10	90 ± 10	90 ± 10	105 ± 10
Particle diameter nm	10-20	10-20	10-20	10-20
Aggregate size D50μm	1.1 ± 0.3	1.1 ± 0.3	1.1 ± 0.3	1.1 ± 0.3
Rutile content % <	0.5	0.5	0.5	0.5
PH (10% water suspension)	1.2-3.0	1.2-3.0	1.2-3.0	1.2-3.0
Loss on ignition % <	5.0	5.0	5.0	5.0
TiO ₂ content % >	90	85	90	90
SO ₂₋₄ content %	1.5-3.5	1.5-3.5	1.5-3.5	1.5-3.5
Fe ₂ O ₃ content ppm <	100	100	100	100
K ₂ O content ppm <	100	100	100	100
Na ₂ O content ppm <	100	100	100	200
WO ₃ content %	-	-	5.0 ± 0.7	5.0 ± 0.7
SiO ₂ content %	-	1.0 ± 0.2	-	5.0 ± 0.7
105°C Volatile substance % <	3.0	3.0	3.0	3.0



Safety

Good industrial hygiene practice should be used, generation of dust should be avoided. Please refer to the Safety Data Sheet for more information about how this product should be handled.

Food Contact

Customers should seek confirmation of compliance with specific regulations by contacting Superior Mineral Solutions.

Storage

This product should not be stored outside or exposed to temperature extremes or to moisture. To ensure optimum performance, it is recommended that the product is used on a first in, first out basis from receipt of shipment.

Packaging

Superior Mineral Solutions titanium dioxide pigments are available in 25kg bags and a range of flexible intermediate bulk containers.

Disclaimer

Superior Mineral Solutions LLC certifies the above product meets the agreed upon performance specifications. Superior Mineral Solutions LLC is not responsible for the misuse and subsequent product failure. No warranty is expressed or implied in such instances. All products utilized in conjunction with (Product Code(s)) need to be tested in advance to ensure compatibility. Users assume all risk with such endeavors. Consult the Safety Data Sheet for specific hazards.

Technical Data Sheet

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