

HD High Performance Nano TiO₂ Concentrate BET surface area 160m²/g

Special properties: <ul style="list-style-type: none"> • high concentration water-based nano TiO₂ sol • low agglomeration, super fine particle size • high stability & quick gel feature • high surface area • high efficiency & performance 	Technical Information: <table border="1"> <tr> <td>Chemical description:</td> <td>nano titanium dioxide sol</td> </tr> <tr> <td>• appearance:</td> <td>yellowish semi-transparent gel</td> </tr> <tr> <td colspan="2">Active matter content:</td> </tr> <tr> <td>• TiO₂</td> <td>5%(±1%)</td> </tr> <tr> <td>• Water content:</td> <td>95% ± 1%</td> </tr> <tr> <td>• Alcohol content:</td> <td>0%</td> </tr> </table>	Chemical description:	nano titanium dioxide sol	• appearance:	yellowish semi-transparent gel	Active matter content:		• TiO₂	5%(±1%)	• Water content:	95% ± 1%	• Alcohol content:	0%		
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Example of application: <ul style="list-style-type: none"> • cosmetic additive (UV block, whiten, anti-bacterial, anti-allergen) • paint additive (deodorization, anti-moss, air purification) • dye sensitized solar battery • air purification system (coat on reaction part, filter, duct) 	Specification: <table border="1"> <tr> <td>• PH Value:</td> <td>PH 7,5 - 10,0</td> </tr> <tr> <td>• primary particle size:</td> <td>< 8 nm</td> </tr> <tr> <td>• crystal structure:</td> <td>TiO₂ Anatase</td> </tr> <tr> <td>• agglomeration index:</td> <td>5-10 %</td> </tr> <tr> <td>• density:</td> <td>1.0075-1.01 g/ml</td> </tr> <tr> <td>• Viscosity:</td> <td>1.0050 mPa.s</td> </tr> <tr> <td>• binding strength:</td> <td></td> </tr> </table>	• PH Value:	PH 7,5 - 10,0	• primary particle size:	< 8 nm	• crystal structure:	TiO ₂ Anatase	• agglomeration index:	5-10 %	• density:	1.0075-1.01 g/ml	• Viscosity:	1.0050 mPa.s	• binding strength:	
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Usage instructions: <ul style="list-style-type: none"> • high speed cutting and mix up • roller print • Spinning coating • Dipping coating • air mix pressure spraying Dosage instruction: <ul style="list-style-type: none"> • refer to relevant coverage data sheet or product manual 1-5% 	• Drying time at 25°C <table border="1"> <tr> <td>Primary drying time:</td> <td>30 minutes</td> </tr> <tr> <td>Final setting time:</td> <td>30 days</td> </tr> </table>	Primary drying time:	30 minutes	Final setting time:	30 days										
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Transport Information No Transport danger for Air, Sea, Highway and Rail, transportation of dangerous goods	Registration status: The ingredients are listed in the following chemical inventories: CAS, EINECS, TSCA, AICS, CEPA, MITI														
Storage stability: 24 months in closed container 5-45°C, dark condition. Protect solution in opened container from Oxygen. Avoid freezing! storind above 5°C	Package: 1 Kg, 10 Kg, 25Kg, Plastic barrel with carton 30 Kg, 100 Kg, 200 Kg Plastic / Polymer barrel * refer to relevant (MSDS) Material Safety Data Sheet														