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## Chopped Strand MAT

Code : CMS 501 - 450

Chopped Strand MAT

Size Code

Weight per unit area (g/m<sup>2</sup>)

### ■ Chopped Strand MAT Characteristics

Chopped Strand MAT of the CSM 501 series aligns glass fiber of E-glass composition, chopped into specific length (normally, 50 mm length) so that it becomes specific weight (normally, 300, 380, 450, 600 standard) per unit area without the sense of direction. then, this product is bonded with the adhesive (normally, 'UNSATURATE polyester resin' powder) of the powder that has high solubility on UP and Vinylester.

※ Application : sewage disposal tank, water tank, corrosion-resistant tank (chemical),

FRP ship, vehicle parts, interior material for railway

### ■ Chopped Strand MAT properties

	Unit	testing Method	CSM 501-300	CSM 501-380	CSM 501-450	CSM 501-600
Glass Type			E-Glass (under 1.2 % R20)			
Weight per unit area	g/m <sup>2</sup>	ISO 3374	300	380	450	600
Deviation coefficient of weight per unit area	%		Under 16			
Product breadth	mm	ISO 2559	1040 standard			
Product length	m		96	76	64	48
Product weight / Roll	kg		30			
Moisture regain	%	ISO 3344	Under 0.2			
LOI	%	ISO 1887	4.2 ± 0.7	3.4 ± 0.6	3.4 ± 0.6	3.4 ± 0.6
Tensile strength (average)	N	ISO 3342	over 120	over 140	over 180	over 300

### ■ FRP Properties

	Glass content (%)	Flexural-			Tensile-			Compressive-		Absorption ratmg)
		Strength		Modulus	Strength	Modulus		Strength	Modulus	
		Dry	Wet			Dry	Wet			
All items	30%	152.0 ↑	114.0 ↑	5.2 ↑	85 ↑	6.5 ↑	4.9 ↑	117.0 ↑	6.0 ↑	70 ↓
Testing method	ISO 1172	ISO 14125			ISO 527-4					ISO62