

## Polypropylene Staple Fibre (PPSF)

Tesport supplies 2.00 denier to 17 denier fibre in different cut lengths in Natural White and Dyed colour fibre in different cut lengths for variety of applications. Fibre Cross Section is Round.

PROPERTIES & PP FIBERS SPECIFICATION						
PROPERTIES	2.5 Denier	4.5 Denier	6 Denier	8 Denier	12 Denier	15 Denier
Fiber Denier	2.4 - 2.7	4.4 - 4.7	5.8 - 6.2	7.2 - 8.8	11.7 - 12.4	14 - 16
Breaking Tenacity Gram Per Denier (GPD)	>5	>5	>4.5	>4	>3.5	>3.3
Breaking Elongation[%]	35 ± 10	40 ± 10	50 ± 10	60 ± 10	80 ± 10	120 ± 20
%Oil Pick-Up (Spin Finish)	0.45-0.65	0.45-0.65	0.45-0.70	0.45-0.70	0.45-0.80	0.50-0.80
Crimps Per Centimeter (CPC)	5.0-6.0	4.0-5.0	4.0-5.0	3.5-4.5	3.0-4.0	3.0-4.0

## Application

- **Construction Sector**

Construction Sector PPSF cut into smaller cut lengths like 6 mm, 12 mm, and 20mm, mixed with cement used in plastering, RCC, used in the building construction industry and also in asbestos sheet/pipes.

- **Finer Denier PPSF**

2.5 and 3 denier in Natural White is used for spinning different count yarns which go into making mainly Filter Fabrics. It is also used in Carpet backing yarn, Dref-2 yarn for making filter cartridges and non-woven Geo-textiles.

- **Coarser Denier PPSF**

Coarser Denier PPSF of 10 to 15 Denier is used in non-woven carpets for floor coverings and automobile carpets and coverings.

- **Geo textiles**

PP fibre of 6 Denier is largely used for making geo textile fabric. It is also used certain automotive applications.

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Tesport F.T. cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

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