



**1. Specification for Physical Properties for Undyed Fish Net Twine.
(Cheese/hank)**

| Physical Properties Code | Denier at 4.0 % Moisture Regain | Runnage (Metre) Approx. | Breaking strength (kgs) Min. | Elongation at Break (%) Max | Twist/ Metre (Cable) Direction Z | Twist/ Metre (Ply) Direction S |
|-------------------------------|--|-------------------------------|---|--|---|---|
| 110/1/2 | 235 ± 50 | 38300 | 0.85 | 50.0 | 525 ± 50 | 825 ± 50 |
| 2 ply (210/1/2) | 450 ± 50 | 20000 | 2.50 | 32.0 | 525 ± 50 | 825 ± 50 |
| 3 ply (210/1/3) | 675 ± 50 | 13325 | 3.75 | 32.0 | 425 ± 40 | 825 ± 50 |
| 4 ply (210/2/2 or 210/1/4) | 900 ± 50 | 10000 | 4.75 | 32.0 | 425 ± 40 | 600 ± 50 |
| 6 ply (210/2/3) | 1350 ± 50 | 6675 | 7.25 | 32.0 | 325 ± 35 | 500 ± 50 |
| 8 ply (210/4/2) | 1850 ± 50 | 4875 | 10.00 | 32.0 | 315 ± 25 | 500 ± 50 |
| 9 ply (210/3/3) | 2050 ± 75 | 4400 | 11.00 | 32.0 | 300 ± 30 | 450 ± 50 |
| 12 ply (210/4/3) | 2650 ± 100 | 3400 | 14.50 | 35.0 | 250 ± 25 | 450 ± 50 |
| 15 ply (210/5/3) | 3350 ± 100 | 2675 | 18.25 | 35.0 | 250 ± 25 | 450 ± 50 |
| 18 ply (210/6/3) | 4000 ± 100 | 2250 | 21.75 | 35.0 | 250 ± 25 | 450 ± 50 |
| 21 ply (210/7/3) | 4675 ± 200 | 1925 | 24.50 | 35.0 | 200 ± 25 | 400 ± 50 |
| 24 ply (210/8/3) | 5350 ± 200 | 1675 | 29.25 | 35.0 | 200 ± 25 | 400 ± 50 |
| 27 ply (210/9/3) | 6000 ± 200 | 1500 | 32.75 | 35.0 | 180 ± 20 | 360 ± 25 |
| 30 ply (210/10/3) | 6675 ± 200 | 1350 | 36.20 | 35.0 | 180 ± 20 | 360 ± 25 |
| 36 ply (210/12/3) | 8000 ± 200 | 1125 | 43.75 | 35.0 | 180 ± 20 | 360 ± 25 |
| 45 ply (210/15/3) | 10000 ± 250 | 900 | 54.20 | 35.0 | 150 ± 15 | 300 ± 25 |
| 48 ply (210/16/3) | 10600 ± 250 | 850 | 60.00 | 35.0 | 150 ± 15 | 300 ± 25 |
| 54 ply (210/18/3) | 11750 ± 250 | 775 | 65.00 | 45.0 | 150 ± 15 | 300 ± 25 |
| 72 ply (210/24/3) | 16025 ± 300 | 550 | 86.80 | 45.0 | 125 ± 15 | 250 ± 25 |
| 90 ply (210/30/3) | 20050 ± 300 | 450 | 108.50 | 45.0 | 100 ± 12 | 200 ± 20 |
| 108 ply (210/36/3) | 24050 ± 350 | 375 | 130.20 | 45.0 | 70 ± 10 | 150 ± 15 |
| 120 ply (210/40/3) | 26700 ± 350 | 335 | 144.60 | 45.0 | 60 ± 8 | 120 ± 15 |
| 180 ply (210/60/3) | 40075 ± 400 | 225 | 217.00 | 45.0 | 50 ± 7 | 100 ± 12 |

Remarks :

Denier & Runnage values are for guidance as both the properties are interlinked.

Basic yarn denier is 210 denier wherever it is specified .

Note : Specifications are prepared by taking reference of BIS standard

| | Name | Designation | Signature | Date |
|-------------|-------------------|--|-----------|-----------|
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