

No. : TA15587E

Date : 19 June 2015

## PARTICULARS OF APPROVAL

### Approval Conditions for Synthetic Fibre Ropes

1. Approval No. : 04R-4
2. Trade Name : Superdan
3. Kind : Polypropylene Rope
4. Grade : 2
5. Number of Strands : 12
6. Raw Textile
  - Manufacturer : DSR CORP.
  - Kind : Polypropylene Mono-filament 3000D
7. Specification : See Table 1 and 2.

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General Manager

Material and Equipment Department

Table 1: Specification of Superdan

| Diameter<br>(mm) | Mass<br>(kg/200m) | Breaking Load<br>(kN) |
|------------------|-------------------|-----------------------|
| 36               | 166               | 236                   |
| 40               | 200               | 292                   |
| 44               | 242               | 349                   |
| 48               | 286               | 412                   |
| 52               | 336               | 476                   |
| 56               | 402               | 544                   |
| 60               | 452               | 628                   |
| 64               | 504               | 706                   |
| 68               | 572               | 804                   |
| 72               | 660               | 888                   |
| 80               | 806               | 1,089                 |
| 88               | 956               | 1,315                 |
| 96               | 1,138             | 1,550                 |
| 104              | 1,332             | 1,815                 |
| 112              | 1,544             | 2,099                 |
| 120              | 1,774             | 2,413                 |

Remark : The above minimum breaking loads are to be satisfied at room temperature after having been immersed in warm water at  $35\pm 2^{\circ}\text{C}$  for more than 30 minutes.



Table 2: Corresponding Diameter of Superdan to Hemp Rope

| Diameter of Ropes (mm) |          |
|------------------------|----------|
| Hemp Rope              | Superdan |
| 55                     | 39       |
| 60                     | 42       |
| 65                     | 46       |
| 70                     | 49       |
| 75                     | 53       |
| 80                     | 56       |
| 85                     | 60       |
| 90                     | 63       |
| 95                     | 67       |
| 100                    | 70       |
| 110                    | 77       |
| 120                    | 84       |

