

## Mooring Line Certificate

Demonstrates that the product has been manufactured, tested & documented following the guidelines in appendix B of the *Mooring Equipment Guidelines, Fourth Edition*.

**Name & Address of Manufacturer** : Kohinoor Ropes Pvt. Ltd. Selu-431 503 Dist. Parbhani, Maharashtra, India

**Line Standard** : Manufactured according to ISO 10556:2010 &  
Tested according to ISO 2307:2019

### Line supply information

Ship design MBL	-	Certificate No.	KRPL/23/12/42440303/02
NSBF	51.30 M Tons	Date	16-12-2023
Diameter	52 mm	Coil No.	194 to 217
Length	220 m		
Jacketed	No		
Splice type and design	Eye (Six Tucks)		
Material type and grade	Polypropylene & Polyester		
Line design designation (product name)	TECHFLEX LIGHT		
Line construction	8-Strand Braided		
Rotating	Yes		

### Performance Indicators

Line Design Break Force (LDBF)	50.60 M Tons
Line Linear Density (LLD)	1245 gm/m
Load Bearing Linear Density (LBD)	1245 gm/m

	Measured	Maximum
Line Tenacity (LT)	0.0406 M Tons / (gm/m)	0.0406 M Tons / (gm/m)
	D/d Ratio:5	D/d Ratio:10
Angled Break Force <sup>*</sup> (ABF) % Avg NSBF	170.68	183.49
Angled Endurance <sup>*</sup> (AE) % Avg NSBF	64.19	69.28

	-20° C	0° C	20° C	40° C	60° C	80° C
Temperature (T) % BF at 20° C for PP	100.49	100.06	100.00	99.54	99.42	98.60
Temperature (T) % BF at 20° C for PES	101.31	100.63	100.00	98.68	98.55	98.24

**Axial Compression Resistance<sup>\*</sup> (ACR)** 100.59% Avg NSBF

	%LDBF:10	%LDBF:20	%LDBF:30	%LDBF:40	%LDBF:50
Average Immediate Strain <sup>*</sup> (e)	6.59	7.55	8.53	9.45	10.50

### Line Description

8 Strand TECHFLEX LIGHT Rope, White Color With 1 Red Tracer, With 1.8 mtr Eye-Splicing Wrapped With Canvas At Both Ends, UV Resistant




QC Incharge