

PROPERTIES

Mooring Raw Material
Different Fibers, Different Characteristics, Different Result

FIBER	NYLON POLY-AMIDE	POLYESTER AOXIFLEX	PP DANSTRONG	PP POLY-ETHYLENE	MIXED PP + PES
TANCITY (GF/DENIER)	7.5 TO 9.0	7.5 TO 8.5	6.5 TO 8.0	3.5 TO 5.5	
SPECIFIC GRAVITY KG/DM3	1.14	1.38	0.91	0.96	0.99 - 1.14
ELONGATION AT BREAK %	20 TO 34 %	12 TO 18 %	10 TO 18 %	16 TO 24 %	12 TO 18 %
CREEP RESISTANCE	MODERATE	LOW	HIGH	HIGH	MODERATE
SHOCK LOAD RESISTANCE	EXCELLENT	GOOD	GOOD	FAIR	GOOD
MELTING POINT APP .OC	220 °C	265 °C	165 °C	150 °C	165 °C / 265 °C
WATER ABSORPTION	4%	<1%	NO	NO	VERY LOW
WET STRENGTH COMPARED TO DRY STRENGTH	85- 90%	100%	100%	100%	100%
UV RESISTANCE	GOOD	GOOD	GOOD	FAIR	GOOD
RESISTANCE TO ABRASION	VERY GOOD	VERY GOOD	GOOD	FAIR	VERY GOOD