



1 TON FLEXIBLE ROPE NET HDPE



Declared Performances

Application	River Training, Erosion-Control, Bank-Protection, Flood Control and Embankment-Works
Raw material bag	High Density Polyethylen

Parameter	Value	Test-Method
Tensile strength MD	25 kN/m	EN ISO 10319
Tensile strength CMD	8.5 kN/m	EN ISO 10319
Elongation at Maximum load MD	15 %	EN ISO 10319
Elongation at Maximum load CMD	75 %	EN ISO 10319
Mass / unit	195 g/m ²	ISO 9864
Thickness @ 2 kPa	2.8 mm	ISO 9863-1
Static Puncture strength (CBR)	1.5 kN (-0.2 kN)	EN ISO 12236
Characteristic Opening Size O90, Maximum	No Performance determined	EN ISO 12956
Water permeability (qN), Minimum	No Performance determined	EN ISO 11058
Dynamic perforation resistance (cone drop test)	No Performance determined	EN ISO 13433
Resistance to weathering	Retained Strength: 85%	EN 12224
Durability	Expected Durability of the product is minimum 100 years in Soil and in submerged conditions with temperature < 25 0C.	Product shall be covered within 1 month following installation (EN 12224 test results under certification).

The Performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with regulation(EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

* All values are average-values

The information in this data-sheet is provided for reference purposes only and is not intended as a warranty or guarantee Dimensions can vary based on type of fill material

Internationale Geotextil GmbH reserves the right to change the specifications from time to time

Version 4.0/05.2023



2 TON FLEXIBLE ROPE NET HDPE



Declared Performances

Application	River Training, Erosion-Control, Bank-Protection, Flood Control and Embankment-Works
Raw material bag	High Density Polyethylen

Parameter	Value	Test-Method
Tensile strength MD	25 kN/m	EN ISO 10319
Tensile strength CMD	8.5 kN/m	EN ISO 10319
Elongation at Maximum load MD	15 %	EN ISO 10319
Elongation at Maximum load CMD	75 %	EN ISO 10319
Mass / unit	300 g/m ²	ISO 9864
Thickness @ 2 kPa	2.8 mm	ISO 9863-1
Static Puncture strength (CBR)	1.5 kN (-0.4 kN)	EN ISO 12236
Characteristic Opening Size O90, Maximum	No Performance determined	EN ISO 12956
Water permeability (qN), Minimum	No Performance determined	EN ISO 11058
Dynamic perforation resistance (cone drop test)	No Performance determined	EN ISO 13433
Resistance to weathering	Retained Strength: 85%	EN 12224
Durability	Expected Durability of the product is minimum 100 years in Soil and in submerged conditions with temperature < 25 0C.	Product shall be covered within 1 month following installation (EN 12224 test results under certification).

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4 TON FLEXIBLE ROPE NET HDPE



Declared Performances

Application	River Training, Erosion-Control, Bank-Protection, Flood Control and Embankment-Works	
Raw material bag	High Density Polyethylen	
Parameter	Value	Test-Method
Tensile strength MD	35 kN/m	EN ISO 10319
Tensile strength CMD	15 kN/m	EN ISO 10319
Elongation at Maximum load MD	15 %	EN ISO 10319
Elongation at Maximum load CMD	75 %	EN ISO 10319
Mass / unit	390 g/m ²	ISO 9864
Thickness @ 2 kPa	3.5 mm	ISO 9863-1
Static Puncture strength (CBR)	2.5 kN (-0.4 kN)	EN ISO 12236
Characteristic Opening Size O90, Maximum	No Performance determined	EN ISO 12956
Water permeability (qN), Minimum	No Performance determined	EN ISO 11058
Dynamic perforation resistance (cone drop test)	No Performance determined	EN ISO 13433
Resistance to weathering	Retained Strength: 85%	EN 12224
Durability	Expected Durability of the product is minimum 100 years in Soil and in submerged conditions with temperature < 25 0C.	Product shall be covered within 1 month following installation (EN 12224 test results under certification).

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8 TON FLEXIBLE ROPE NET HDPE



Declared Performances

Application	River Training, Erosion-Control, Bank-Protection, Flood Control and Embankment-Works	
Raw material bag	High Density Polyethylen	
Parameter	Value	Test-Method
Tensile strength MD	38 kN/m	EN ISO 10319
Tensile strength CMD	15 kN/m	EN ISO 10319
Elongation at Maximum load MD	15 %	EN ISO 10319
Elongation at Maximum load CMD	75 %	EN ISO 10319
Mass / unit	225 g/m ²	ISO 9864
Thickness @ 2 kPa	4 mm	ISO 9863-1
Static Puncture strength (CBR)	2.5 kN (-0.8 kN)	EN ISO 12236
Characteristic Opening Size O90, Maximum	No Performance determined	EN ISO 12956
Water permeability (qN), Minimum	No Performance determined	EN ISO 11058
Dynamic perforation resistance (cone drop test)	No Performance determined	EN ISO 13433
Resistance to weathering	Retained Strength: 85%	EN 12224
Durability	Expected Durability of the product is minimum 100 years in Soil and in submerged conditions with temperature < 25 0C.	Product shall be covered within 1 month following installation (EN 12224 test results under certification).

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