

## Rope, polypropylene, black, 10mm twisted

### Overview

#### Specifications

Item code	4100000072
Unit weight	N/A

Ropes can be made from various types of material, properties of some of the most common materials are summarised below. This page provides specifications only for the polypropylene ropes, although these may not be the best choice in every situation as described below.

#### Natural fibre Polypropylene Nylon/polyester

<b>Strength</b>	-	+	++
<b>UV Resistance</b>	+++	-	+
<b>Elasticity</b>	+	++	++++
<b>Wear Resistance</b>	+	+	++
<b>Resistance to rot</b>	-	++++	++++
<b>Cost</b>	Cheap	Average	Expensive

Below is the specification of rope used with plastic sheeting, as part of IOM prepositioned kits.

Choose the material according to the use:

- Polypropylene is commonly available and of average cost, it serves general purposes. Very sensitive to UV. Dark colour ropes, in particular black, resist UV far more than light colour ropes.

Standard minimum breaking strength, and in brackets the limit of use:

- Polypropylene: 6mm/590kg (200kg) - 8mm/1040 kg (350kg) - 14mm/2990kg (1000kg)

Black ropes are recommended for outdoors long-term use, for their resistance to UV. Large quantities are normally purchased per weight instead of length. Nevertheless, a minimum length should also be indicated in the contract.

### Description

#### Rope - Polypropylene - Twisted 10mm diameter

<b>Diameter</b>	10mm +/- 0.5mm
<b>Length</b>	15m
<b>Weight</b>	n/a
<b>Number of strands</b>	3 minimum
<b>Type</b>	Twisted

**Rope - Polypropylene - Twisted 10mm diameter**

<b>Material</b>	Polypropylene, non-recycled fibres, UV stabilized
<b>Colour</b>	Black
<b>Marking</b>	With a permanent label, showing: Type of rope, material, manufacturer, length, tensile strength, standard of reference, inspection certificate reference.
<b>Standard</b>	Specifications should conform to ISO9554
<b>Packing Detail</b>	Items to be packed in bales of 30 units of 15m each. Bales to be strapped with two straps on each side. Each unit of 15m rope to be coiled and secured using ties. Items are not to be wrapped in sub-packing to avoid the use of unnecessary single-use plastics.

## Other Entries in this Topic

- [Emergency Relief Items Catalogue](#)

## Contacts

For further information, contact [sheltersupport@iom.int](mailto:sheltersupport@iom.int).

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