

ISO

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 1969**

THREE-STRAND POLYETHYLENE MONOFILAMENT ROPES

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BRIEF HISTORY

The ISO Recommendation R 1969, *Three-strand polyethylene monofilament ropes*, was drawn up by Technical Committee ISO/TC 38, *Textiles*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1969, which was circulated to all the ISO Member Bodies for enquiry in April 1970. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	India	Spain
Belgium	Iran	Sweden
Brazil	Ireland	Switzerland
Chile	Israel	Thailand
Czechoslovakia	Japan	Turkey
Denmark	Korea, Rep. of	U.A.R.
Finland	Netherlands	United Kingdom
France	Norway	U.S.S.R.
Greece	South Africa, Rep. of	

No Member Body opposed the approval of the Draft.

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided to accept it as an ISO RECOMMENDATION.

THREE-STRAND POLYETHYLENE MONOFILAMENT ROPES

1. SCOPE

This ISO Recommendation specifies the essential characteristics of three-strand ropes consisting of continuous monofilaments belonging to the polyethylene group of a density of approximately 0.96.

It applies to ropes of this type of which the nominal net mass per metre is 8.1 to 2590 g and of which the nominal diameter is from 4 to 72 mm inclusive.

2. MANUFACTURE

These ropes are formed of strands manufactured from new material. The ropes and strands should be continuous, without splices.

When agreed between purchaser and supplier, ropes with a net mass per metre greater than 161 g (larger than 18 mm diameter) may have a core in the strands, consisting of continuous man-made monofilaments without twist.

Polyethylene ropes, unless otherwise specified, are made of strands twisted together with a "Z" lay, these strands themselves being made with an "S" lay.

The number of yarns, or yarns and untwisted monofilaments, should be the same for all the stands in the rope.

3. REQUIRED CHARACTERISTICS AND TOLERANCES

The main characteristics of three-strand polyethylene monofilament ropes are given in the Table on page 4.

The pitch of these ropes measured under the conditions specified in ISO Recommendation R . . . *, *Testing of ropes*, should be as given in the Table except when otherwise agreed between purchaser and supplier.

4. METHODS OF TEST

The characteristics given in section 3 should be measured in accordance with the specifications given in ISO Recommendation R 2307*, *Testing of ropes*.

5. PACKING

The masses invoiced should be net masses which include lashings, but not packing materials. Coil lashings should be of similar material to the rope**.

* At present at the stage of Draft ISO Recommendation.

** The use of coil lashing of synthetic material meets this requirement.