

FORMAT FOR SYNOPSIS OF INDIAN STANDARDS

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Number and Title of the Indian Standard:

**IS 17298:2019 Reinforcement yarns -- Determination of linear density
/ISO 1889:2009**

Doc TXD 40 (14018)

Scope:

This International Standard specifies a method for the determination of the linear density of glass-fibre, carbon-fibre, aramid-fibre and any other reinforcement-fibre yarns.

It is applicable to all types of yarn, including single yarns, double and cabled yarns, textured yarns, rovings and staple-fibre yarns.

Salient features of content:

A yarn test specimen of known length, with or without size, is weighed and the mass per unit length calculated.

In the case where the yarn must be desized, this is done by extraction and drying (in the case of aramid fibre), by calcination (in the case of glass fibre) or by extraction or pyrolysis (in the case of carbon fibre).

In the case of carbon-fibre yarns, the linear density of the desized yarn may also be calculated from the linear density of the sized yarn and the size content determined in accordance with ISO 10548. However, the result obtained in this way will include a small error due to the inherent error involved in determining the size content.

Types/Grades/Classes, if any covered in the standard:

Not applicable.