Draft Tanzania Standard

Clothing for protection against heat and flame — Determination of heat transmission on exposure to both flame and radiant heat

TANZANIA BUREAU OF STANDARDS

TANZANIA BUREAU OF STANDARDS

National Foreword

This finalized Tanzania Standard is identical to **ISO 17492:2019 Clothing for protection against heat and flame — Determination of heat transmission on exposure to both flame and radiant heat,** published by International Organization for Standardization.

Terminology and conventions

Some terminology and certain conventions in the ISO standards are not identical with those used in Tanzania Standards and attention is drawn to the following:

The comma has been used a decimal marker for metric dimensions. In Tanzania Standards, its current practice to use full point on the baseline as the decimal marker

Where the words “ISO Standard(s)” appear, referring to this standard they should read “Tanzania Standard(s)”.

Scope

This document specifies a test method for measuring the heat transferred through horizontally mounted flame-resistant textile materials when exposed to a combination of convective and radiant heat. The exposure conditions are adjusted to be approximately a 50/50 mixture of pure convective heat and pure radiant heat. The total exposure heat flux is 84 kW/m^2.

This test method is applicable to any type of sheet material used either as a single layer or in a multilayer construction when all structures or sub-assemblies are made of flame-resistant materials. It does not apply to materials that are not flame resistant.

This test method does not apply to the evaluation of materials exposed to any other type of thermal energy sources, such as radiant heat only or flame contact only. ISO 6942 is applicable when evaluating materials for exposure to radiant heat only. ISO 9151 is applicable when evaluating materials due to flame contact only.

NOTE some, but not all, textiles materials can ignite and continue to burn after exposure to the convective and radiant heat produced by this test method.