

OSM/LUM DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s):	Tracking No.	Year
EN 60598-1:2015/A1:2018	13.2.1	DSH 0928A	2019
Category:			
LITE			
Subject:	Key words:	Developed by	Approved at
Ball pressure test on soft thermoplastic	<ul style="list-style-type: none"> - Ball pressure test - Thermoplastic materials - Reinforced insulation 	OSM/LUM-ETF5	2019 ETICS Plenary Meeting

Question

- 1) External parts of insulating material providing protection against electric shock or parts of insulating material retaining current-carrying parts or SELV parts in position shall be subjected to the ball pressure test. Is the ball pressure test to be applied to soft thermoplastic parts which provide reinforced insulation? If so, it would mean that soft thermoplastic material could never be used, because on this type of material the diameter of the ball impression always exceed 2 mm?
- 2) Is the test applied on connectors moulded on cable or end cap used as reinforced insulation of lighting chain like sealed tube and on connectors which retain SELV parts of class III lighting chain?

Decision

- 1) If the results of the ball pressure tests do not comply with the requirement of the standard, soft thermoplastic materials shall not be used as reinforced insulation.
- 2) Yes.

Explanatory notes
