



CO-ORDINATION OF NOTIFIED BODIES
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RECOMMENDATION FOR USE

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Question related to ☐ PPE Regulation ☒ EN/prEN: ☐ Other:

EN ISO 12402-7:2020 Table 2

Key words:
EN ISO 12402-7:2020, Knit Fabric; Ball Burst

Question:
For certain materials such as mesh the pneumatic and hydraulic burst methods in ISO 13938-1:2019 and ISO 13938-2:2019 have caused failures in the diaphragm of the test equipment without being able to achieve the required pressures to demonstrate a pass or cause a failure. What method should be used in this case where ISO 13938-1 and ISO 13938-2 are not appropriate?

Solution:
The Ball Burst strength test method as defined in ASTM D3787 may be used with the below conditions taken from UL 1123 Table 2:

Property	Exposure	Test Method	Number of Samples	Sample Size mm	Requirement
Busting Strength (knitted fabrics only)	1) Standard Conditioning 2) Accelerated weathering according to 4.1.6.4 3) 70 h immersion in fuel B according to ASTM D471-16 or diesel fuel according to EN 590:2013/ Amd 1:2017 ^b 4) 70 h immersion in 0,5 % detergent according to ISO 6330:2012	ASTM D3787	10 for each exposure	130 x 130	Following exposures 1-4 Average ≥ 578 N