	CO-ORDINATION OF NOTIFIED BODIES **PPE Regulation 2016/425** **RECOMMENDATION FOR USE**	PPE-R/08.056 Revision 00 Language: E

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Question related to ☐ PPE Regulation ☒ EN/prEN: EN ISO 12402-7:2020 ☐ Other:

Article: Annex: Clause: Table 12, clause 4.8.2.6.

Keywords: Tensile testing of foam

Question:

In EN ISO 12402-7:2020 there has been an increase of the requirement for the tensile strength of foam in Table 12, which states;
'***The tensile strength shall be not less than 140 N/mm² for foam which is a structural part of the device, i.e. not retained by a cover fabric***.'
This is 1000 times higher compared to the previous version of the standard EN ISO 12402-7:2007+A1:2011 (see below comparison table) and this is an unachievable requirement for foam flotation material used in PFDs.

Tensile testing of foam Table 12	Requirement	
Method/exposure	EN ISO 12402-7+A1:2011	EN ISO 12402-7:2020
Die A acc. ISO 1926:2009 / Standard conditioning.	140 kPa	140 N/mm² = 140.000 kPa

VG8 believe that this is due to an error when transferring the requirements from the old standard to the new standard and converting the units from kPa to N/mm².

Therefore, what is the correct requirement for tensile strength of foam?

Solution:

The requirement for tensile strength of foam after standard conditioning should be as per the original requirement of EN ISO 12402-7+A1:2011 which was 140 kPa and when converted to N/mm² this equates to 0,140 N/mm².