

	CO-ORDINATION OF NOTIFIED BODIES PPE Regulation 2016/425 RECOMMENDATION FOR USE	PPE-R/11.051 Version 3 Update in red
Number of pages: 2 Origin : Vertical Group 11 'Protection against Falls from a Height'	Approval stage: <input checked="" type="checkbox"/> Vertical Group n/a 09/10/2024 <input checked="" type="checkbox"/> Horizontal 15/09/2025 Committee <input type="checkbox"/> EU PPE Expert Group <input type="checkbox"/>	
Question related to <input checked="" type="checkbox"/> PPE Regulation	<input checked="" type="checkbox"/> EN/prEN: all EN for PPE against fall from a height with load bearing textile element Other:	
Article:	Annex:	Clause:
Key words: Load bearing textile materials, recycled material		
Question: Which kinds of load bearing textile materials are acceptable for use in personal protective equipment against falls from a height and which are not?		
Solution: <i>Note: solution takes into account document N1042 and N1508 from TC136/WG5</i> The following requirements apply to the load bearing textile materials used in personal protective equipment against falls from a height. Note 1: Mixtures of acceptable materials are also acceptable. Note 2: Materials that are not themselves load bearing (e.g. elastic yarn, polyethylene made of monofilament fibres) but mixed with load bearing material(s) are acceptable. Note 3: Other load bearing textile materials are not acceptable except if documented justification can be provided for specific application. Note 4: Recycled materials with guaranteed characteristics shall follow the same requirements as virgin materials. The general data sheet with guaranteed characteristics edited by the producer of the recycled material shall be requested. Note 5: If a virgin load bearing textile material of a PPE is replaced by a load bearing textile recycled material, the load bearing parts must be tested according to the suitable standard. A – ROPES Examples: as PPE (dynamic rope, low stretch kernmantel rope, accessory cord) or as a component of PPE (lanyard, sling, anchor line, retractable lanyard,...) Common materials A1 - polyamide: acceptable . A2 - polyester: acceptable . A3 - polypropylene: acceptable if providing a suitable UV resistance justification (e.g. compliance with EN1263:2014) given by the manufacturer.		

High strength materials

A4 - Aramid (e.g. Technora®, Kevlar®, Twaron®): **acceptable**, but if used in the outer sheath, the instructions for use requires an additional warning about low UV resistance.

A5 - Liquid Cristal Polymer (LCP) other than aramids (e.g Vectran®): **acceptable**, but if used in the outer sheath, the manufacturer's instructions and information requires an additional warning about low UV resistance.

A6 - Ultrahigh molecular weight polyethylene (UHMWPE) e.g. Dyneema®, Spectra®: **acceptable** but if used in the outer sheath, the manufacturer's instructions and information requires a warning about the low melting point (140°C) and low friction coefficient (slipperiness) of the material.

B - WEBBINGS

Examples: as PPE (tape) or as a component of PPE (harness, work positioning belt, lanyard, sling, retractable lanyard,...)

Common materials

B1 - polyamide: **acceptable**.

B2 - polyester: **acceptable**.

B3 - polypropylene: **acceptable** if providing a suitable UV resistance justification (e.g. compliance with EN1263:2014) given by the manufacturer

High strength materials

B4 - Aramid (e.g. Technora®, Kevlar®, Twaron®): **acceptable**, but the manufacturer's instructions and information requires an additional warning about low UV resistance.

B5 - Liquid Cristal Polymer (LCP) other than aramids (e.g Vectran®): **acceptable**, but the manufacturer's instructions and information requires an additional warning about low UV resistance.

B6 - Ultrahigh molecular weight polyethylene (UHMWPE) e.g. Dyneema®, Spectra®: **acceptable** but the manufacturer's instructions and information requires a warning about the low melting point (140°C) and low friction coefficient (slipperiness) of the material.

C - STITCHING MATERIAL**Common materials**

C1 - polyamide: **acceptable**.

C2 - polyester: **acceptable**.

C3 - polypropylene: **acceptable** if providing a suitable UV resistance justification (e.g. compliance with EN1263:2014) given by the manufacturer.

High strength materials

C4 - Aramid (e.g. Technora®, Kevlar®, Twaron®): **acceptable**, but if used on the product surface, the instructions for use requires an additional warning about low UV resistance

C5 - Liquid Cristal Polymer (LCP) other than aramids (e.g Vectran®): **acceptable**, but if used on the product surface, the manufacturer's instructions and information requires an additional warning about low UV resistance

C6 - Ultrahigh molecular weight polyethylene (UHMWPE) e.g. Dyneema®, Spectra®: **acceptable** but if used on the product surface, the manufacturer's instructions and information requires a warning about the low melting point (140°C).