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CPAI-84: Flammability test to Camping Tentage- Standard Title CPAI-84:1995 camping tentage CPAI-84: Flammability test to Camping Tentage - Scope The standard provides test methods for evaluating flame resistance of fabric and other pliable materials in camping tentage.It also provides performance criteria and certification guidelines for suppliers.Finally, it describes labeling programs to caution the user against actions detrimental to flame-retardant finishes, as well as to facilitate the identification of tentage as being constructed of flame-resistant materials and to identify the manufacturer. CPAI-84: Flammability test to Camping Tentage - Performance requirements > Flooring Material When subjected to the test described in Section 5, no specimen from a sample unit of flooring material shall be damaged within 25mm of the edge of the hole in the flattening frame. This requirement includes: specimens that were leached and unweathered specimens that were unweathered but unbleached >Wall and Top Material When subjected to the test described in Section 5, no specimen from a sample unit of wall and top material shall have an after-flame time (length of time a specimen continues to flame after removal of the test flame source) of more than 4 seconds; the average after-flame time for all specimens in a sample unit shall not exceed 2 seconds. Portions or residues that break or drip from the test specimens shall not continue to flame after they reach the floor of the test cabinet. They should self-extinguish before (or as) they contact the floor of the test cabinet. These requirements include: specimens that were leached and unweathered specimens that were unbleached but unweathered specimens that were weathered but unbleached CPAI-84: Flammability test to Camping Tentage - Sample requirements - 4m for each position of flooring, walls and tops. CPAI-84: Flammability test to Camping Tentage - Reference Standard: - CPAI-75:1976 A RATE-OF BURN STANDARD FOR SLEEPING BAGS - 16 CFR Part 1610 Standard for the Flammability of Clothing Textiles - 16 CFR 1611 Standard for the flammability of vinyl plastic film - 16CFR 1615(Size 0-6), 16CFR1616 (Size 7-14) STANDARD FOR THE FLAMMABILITY OF CHILDREN'S SLEEPWEAR - NFPA 701:2010 Standard Methods of Fire Tests for Flame propagation of textiles and films - CAN/CGSB-4.2 No. 27.5-2008 TEXTILE TEST METHODS Flame Resistance — 45° Angle Test — One-Second Flame Impingement Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 Page 8 Page 9 Page 10 Page 11 Page 12 Page 13 Page 14 Page 15 Page 16 Page 17 Page 18 Page 19 Page 20 Page 21 Page 22 Page 23 Page 24 Page 25 Page 26 The Canvas Products Association International 84 (CPAI-84) standard is important for outdoor event organizers. Whether an outdoor wedding with candles, a meal prepared on an outdoor grill, or a night in the woods, tents must be made in material that avoids catching fire and slows its spread to give people ample escape time. The Canvas Products Association International (now known as Advanced Textiles Association) sets the fire safety standard for recreational tentage, including structures like camping tents, awnings, dining flies, and add-a-rooms. The CPAI-84 test procedure is very similar to the California State Fire Marshal Title 19 test. It does not ensure that a fabric is flame retardant. It is a test method for evaluating the flame resistance of fabrics and other materials such as plastic sheeting. Meeting the standard requires tent materials average an after-flame time of less than two seconds. Drips must self-extinguish and mass loss generally should be below 5%. How is the CPAI-84 test conducted? Three sets of four samples (two warp and two fill) are tested in a vertical flame test after conditioning according to the standard. Four samples are tested in the original state (initial). Four are soaked in water for 72 hours, then tested. Four are put in an accelerated weathering chamber for 100 hours, then tested. The flame is applied for 12 seconds. Almost all of TVF's fabrics are tested to Initial CPAI-84. Time for flame to extinguish, residual flame time, and damaged length are all recorded. TVF carries textiles that meet the CPAI-84 standards. The Lit ListGlamping & Camping Ideas + Resources We'll periodically share inspiration, bell tent releases, special offers, and event notifications with ya. {"themeColor":"#574CD5","iconColor":"#574CD5","showLogo":true,"topBottomPosition":10,"rightLeftPosition":10,"iconSize":"small","iconCustomSize":64,"position":"middle-right"} Event Marketing Activation Strategies That Work Image Source: Freepik You've seen the booths, th... Read More Event Marketing Tactics That Boost Brand Awareness Image Source: Freepik You have a great produc... Read More Did you know that Big O Tires, one of America's largest franchise automotive tire retailers, also... Read More April 16, 2025 April 17, 2025 When it comes to pop-up canopies, safety and performance standards play a crucial role in ensuring that you're investing in a high-quality, reliable shelter. Three prominent standards that you may encounter are CAN ULCS-109, NFPA 701, and CPAI 84. In this article, we'll compare and contrast these standards and highlight the importance of choosing canopies that comply with them. CAN ULCS-109 CAN ULCS-109, established by the Canadian Standards Association, is a comprehensive standard for pop-up canopies. It focuses on fire safety, material quality, stability, and wind resistance. Compliance with CAN ULCS-109 ensures that a pop-up canopy has undergone rigorous testing to resist ignition, prevent the spread of flames, and is built with durable materials. It also addresses the stability of the canopy in various weather conditions. NFPA 701 NFPA 701, on the other hand, is a fire safety standard published by the National Fire Protection Association (NFPA) in the United States. It specifically pertains to the flammability of fabrics used in various applications, including tents and canopies. A pop-up canopy that meets the NFPA 701 standard has been tested for its resistance to flame spread. While this standard primarily focuses on fabric flammability, it's essential to ensure that the entire canopy, including the frame, is also fire-resistant. CPAI 84 CPAI 84 is yet another important standard for pop-up canopies. Published by the Industrial Fabrics Association International (IFAI), this standard addresses the flammability of fabrics used in recreational tents and canopies. It emphasizes the need for materials to self-extinguish when exposed to a flame source. Ensuring that a pop-up canopy complies with CPAI 84 means you are choosing a shelter that has been tested to resist flame propagation effectively. The Consequences of Non-Compliance at Events In addition to understanding the standards themselves, it's essential to recognize the consequences of using non-compliant pop-up canopies at events. Many event organizers, including those responsible for public gatherings, fairs, festivals, and even private functions, prioritize safety for all attendees. As a result, they often have strict regulations in place to ensure that canopies used at their events meet established safety standards. Non-compliant canopies, those that do not adhere to standards like CAN ULCS-109, NFPA 701, or CPAI 84, may be restricted from use at these events. Event organizers do this to mitigate the risks associated with fire hazards, material durability, and the overall safety of attendees. If you arrive at an event with a pop-up canopy that does not meet the necessary standards, you may be asked to take it down or leave it behind, potentially disrupting your plans and those of others. In some cases, non-compliance with these standards can lead to fines or legal issues, particularly if a non-compliant canopy is found to be the cause of a safety incident. Therefore, choosing a pop-up canopy that complies with these standards is not only a matter of personal safety and quality but also ensures that your canopy is welcome at a wide range of events. E-Z UP® Instant Shelters, known for their compliance with CAN ULCS-109, NFPA 701, and CPAI 84, provide you with the confidence that your shelter will meet the requirements of event organizers and authorities. This commitment to safety and quality not only guarantees your peace of mind but also allows you to enjoy your outdoor events without concerns about non-compliance issues. When you invest in an E-Z UP® Instant Shelter, you're making a choice that ensures your canopy will be a welcomed and safe addition to various events and gatherings. April 16, 2025 April 17, 2025 1801 County Road B W, Suite 100 Roseville, MN 55113-4052, USA +1 651 222 2508 | 800 225 4324