



UL94 horizontal burning foamed material test Solef[®] PVDF 80 000 Series: Expanded PVDF

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The test is specifically applied for foamed polymers, with the test specimen held in the horizontal direction. The test determines the rate of burning of a material as the flame front-progresses between two benchmarks. The flame is applied to the free end of the specimen for 60 seconds. The length of the test specimen is 150 mm with benchmarks at 25 mm, 60 mm and 100 mm. The time for the flame front to move between the benchmarks is measured.

Flammability ratings are:

HF-1: cease to burn within 2 seconds after flaming, and flaming particles do not ignite cotton placed under the specimen. Sample is not affected beyond the benchmark at 60 mm.

HF-2: cease to burn within 2 seconds after flaming, allows to ignite the cotton. Sample is not affected beyond the benchmark at 60 mm.

HBF: burning rate is not exceeding 40 mm per minutes over 100 mm span, and sample cease to burn before flaming or growing reach the 125 mm mark.

Specimen thickness (mm)	Grade	TESTED DENSITY (g/l)
		110
13	80 111	HF-1

* The result presented concerns only the composition of Solef[®] PVDF 80 000 Series Expanded PVDF (Poly Vinylidene Fluoride) and do not guarantee the compliance of final articles made of that products.