

Pressalit A/S

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DECLARATION OF FIRE PROPERTIES

Product: Pressalit Toilet Seats

The above product consists of seat and lid compression moulded from an amino thermosetting resin (urea formaldehyde), hinges in stainless steel and various smaller parts made of thermoplastic materials.

The performance of these products in respect to fire is determined by the dominant component of amino plastic. This resin has a high content of nitrogen and is therefore inherently self-extinguishing.

The Urea Formaldehyde Moulding Compound in itself has the following properties:

- Material type : (131.5 DIN 7708 Part 3) / (ISO 14527)
- Class "V-0" at thickness of 3 mm (UL 94)

Our products have been tested according to European standards for fire protection on railway vehicles; EN 45445-2, and found to obtain HL1 and HL2 classification (R2) with the following results:

- Flame spread: CFE = 17.6 kW/m², class "HL3". (ISO 5658-2)
- Heat release: MARHE = 139.0 kW/m², class "HL2" (ISO 5660-1)
- Smoke density: Ds(4) = 293 and VOF4 = 453 min, class "HL2" (ISO 5659-2)
- Toxicity: CIT_{G, 4 min} = 0.32, class "HL3" (ISO 5659-2)

In addition, our products have also been tested according to American standards, and found to have the following properties:

- Surface flammability: Radiant Panel index 0 (Flashing to 6 inches) (ASTM E162-13)
- Heat release: MARHE = 136.5 kW/m² (ASTM E1354-14)
- Smoke density: Ds(4) = 18.0 without pilot flame and Ds(4) = 0.0 with pilot flame (ASTM E662-13d)
- Toxicity: 67 ppm CO present after 4 min combustion. (BSS 7239)



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