

Environmental and Disposal Considerations

Environment

ISOVOLTA's phenolic paper laminates (PPL) do not contain any environmentally hazardous substances which leak or can be eluted. Because of the extremely high degree of polymerization the binder is practically free of monomers. Therefore no problems regarding work hygiene or disposal are to be expected.

Combustibility

PPL are rated B2 according to DIN 4102, T1.

Decomposition at high temperatures

PPL do not decompose, when heated for a short time up to 200°C. At higher temperatures or when heated over 150°C for a longer time, slow decomposition occurs.

Work Hygiene

Dust extraction should be used when sawing.

Disposal

1. Dumping Ground

An analysis of the relevant substances according to DEV-S4 and DIN 38409 resulted in a rating of eluate class III. This is the same rating as f.e. for household garbage. Therefore disposal at a dumping ground should be possible without any problems also according to local regulations.

2. Combustion

The optimal way of disposal is combustion in suitable furnaces, (temperature at least 800°C) as they are used for the industrial production of steam or hot water. The caloric value of PPL is appr. 5600 kcal/kg. Because of the smooth surface the stacks are frequently packed very tightly and one has to take care that the air supply is sufficient when charging.