



## FIRE RATING of KERNOW COATINGS' GRAPHIC DISPLAY FILMS

The range of Graphic Display films manufactured by Kernow Coatings Ltd for Aqueous, Solvent and UV Inkjet printing are polyester based Roll-Up / Pop-Up materials. They do not carry a fire rating, however, there are specific characteristics which are detailed below:

- These materials are "Combustible" but not readily ignited. They will melt and shrink away from a flame source.
- Persistent application of a flame will ignite the material.
- Burning is sometimes accompanied by melting and dripping which may cause a fire to spread.
- Complete combustion will predominantly evolve Carbon Dioxide and Water.
- Incomplete combustion under laboratory conditions, in addition to oxides of carbon and water, will form a mixture of volatile organic compounds too complex to accurately quantify. To offer some context, it may be noted that the toxicity of gasses produced under these test conditions is very similar to the gasses produced by the combustion of wood.
- Recommended Extinguishing Media: Water, Foam, CO2, Dry powder.

The above applies to a single sheet or layer.

We know from our own fire training that it is, in practice, very difficult to ignite a roll or reel of material. Fire fighter tests involving the use of a blow torch directed at a roll of polyester (one minute duration) concluded that melting and charring occurred, but not ignition.