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TECHNICAL DATA

Fluorescent Colours

PIGMENT

Fluorescent colours are recommended for addition to polyurethane products for a distinctive colour. It is available as a powder that is mixed with a liquid (DOP) prior to addition into the polyurethane prepolymer. **Fluorescent colours** are used for industrial purposes only, especially for polyurethane elastomers and not for foodstuffs.

APPLICATIONS

Fluorescent colours are added to the prepolymer (Part A or iso) at a ratio of 1.0 to 5 parts per hundred of prepolymer.

1. Mix equal amounts of powder and DOP together with a high speed drill until thoroughly mixed.
2. Decant the required amount of **Erapol** (30 - 40°C) into a mixing chamber.
3. Add the required amount of colour to the **Erapol**.
4. Gently mix the pigment into the **Erapol**, do not completely disperse at this stage.
5. Heat the **Erapol** to processing temperature (usually around 80°C) and completely disperse the colour.
6. Degas if required then add the curative and process as normal.

The ratio of pigment to prepolymer added is determined by the intensity of colour required.

Usually a maximum of 5% pigment is recommended after which little change in colour occurs. Adding excess colour has similar effects to adding a plasticiser.

The powder and DOP should be thoroughly mixed before addition to the prepolymer.

STORAGE AND HANDLING PRECAUTIONS

Fluorescent colours when mixed with DOP can settle out, for this reason it is supplied as a powder and DOP which should be mixed together prior to casting.

Fluorescent colours are not defined as a dangerous good by the Australian Code For Transport of Dangerous Goods By Road And Rail.

Store in a cool place and out of direct sunlight. Keep containers closed at all times when not in use. Store away from oxidising agents.

Based on BLUE with equal amounts of DOP

Specific gravity: 1.13
Viscosity: 2,000 cps spindle 4, 30rpm, 27°C



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