VisyCorq Manufacturing Process

VisyCorq is an environmentally friendly sealing membrane uniquely designed to preserve the integrity and flavour of wine.

VisyCorq is an injection moulded thermoplastic cork structure that ensures consistent quality of wine by eliminating the risks of taint, scalping and leakage under a range of storage and transport conditions.

VisyCorq is locally manufactured using a precise injection-moulding process. Measuring stations check each cork to ensure it is within length, diameter and weight specifications as well as density design for optimum gas transmission properties.

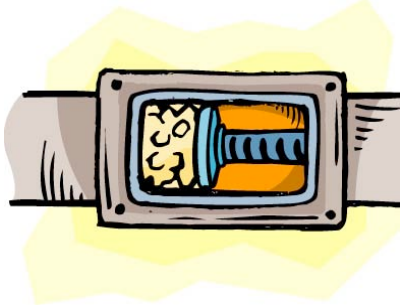
VisyCorq is manufactured from food grade polyethylene.

Step 1

The injection moulding process begins when the resins are loaded into the batching system hoppers. The material is weighed into the blend chamber as per the recipe. It then gets mixed and released into the extruder barrel. The action of the screw rotating, along with the application of heat, causes the plastic to become molten as it moves forward along the extruder.

Step 2

The material moving forward creates enough pressure in front of the screw to force the screw to move backwards. This continues until there is enough material in front of the screw to fill all the cavities. This is called the shot size. The screw is released and acts like a syringe to inject the plastic into a closed, cold mould with multiple cavities.



Step 3

The plastic solidifies within the mould; the mould is opened and the VisyCorqs drop from the mould.

Step 4

After the VisyCorqs leave the injection moulder they are sent by blower tube to the cooling chamber to finish their cooling cycle.

Step 5

VisyCorq can be printed in up to four colours. The printer applies all colours at the same time.

Step 6

A coating of silicone is then applied to the surface of the VisyCorq to assist the VisyCorq to pass through the corker jaws of a production bottle filling line.