

CP 541 – Moisture, CO2 and Oxygen Scavenger

Overview

A getter designed to adsorb gases which effect high-frequency polymeric semiconductors and other oxygen-sensitive devices.



Technical Advantages

Material Composition

The tablets are composed of purified zeolite (specially treated using a proprietary process to give stable performance over 25 years) bound with a high purity silica and impregnated with an oxygen scavenging material.

Material Properties

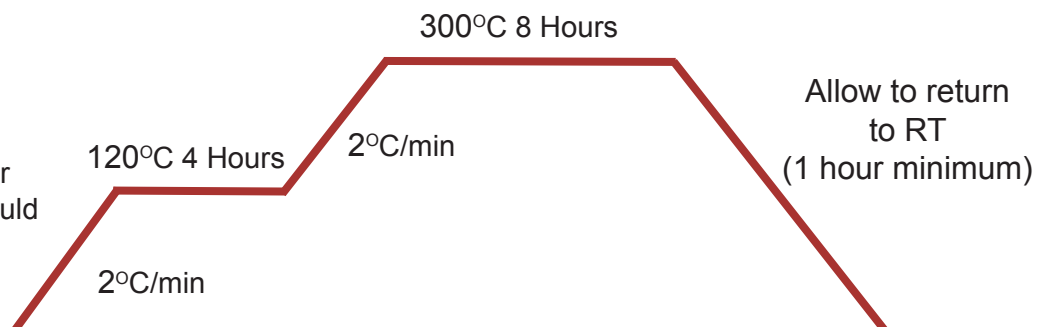
The finished getter tablet shall not shed particles < 0.5 microns. It has a density of 1.2g/cm³ and a maximum processing temperature of 450°C.

Approximate Adsorption Capability

Getter	Color	Moisture PU wt % (Min)	Oxygen (cm ³ /g of sample)
CP541	Green/White	10%	5.0 cm ³ /g

Activation Profile

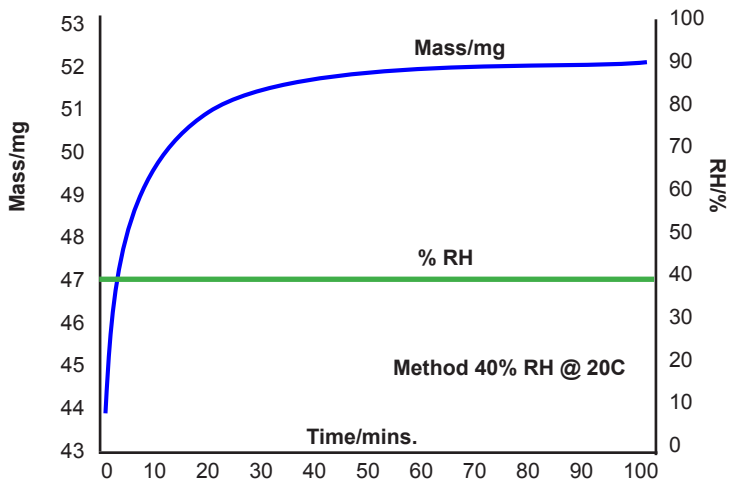
Activation is to be carried out in a 50mTorr vacuum. Parts to be transferred directly to sealing chamber after activation. There should be no exposure to air.



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Example Moisture Absorption

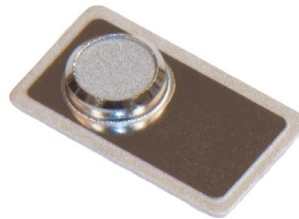
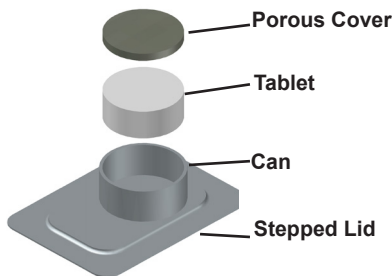


Analysis

The getter manufacturer will carry out analysis on each lot of getter tablets. These records are retained and full traceability is maintained through to delivery of the getter assemblies.

Form of Supply

Getter tablet will be supplied in protective housing on a suitable substrate (typically a metal stepped lid).



The getter housing stops getter particles entering the main cavity of the device.

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