
**Plastics — Epoxy resins —
Determination of 1,2-glycol content**

*Plastiques — Résines époxydes — Détermination de la teneur en
1,2-glycol*

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Foreword

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The committee responsible for this document is ISO/TC 61, *Plastics*, Subcommittee SC 12, *Thermosetting materials*.

This second edition cancels and replaces the first edition (ISO 21048:2004), which has been technically revised.

Introduction

In producing epoxy resin based on epichlorohydrin, impurities containing 1,2-glycol may be formed. Owing to the hydrophilic characteristics of 1,2-glycol, it is necessary to control the level of these impurities, since they could affect final properties such as electrical insulation. Additionally, these impurities could affect the speed of the curing reaction when using curing agents such as amines and acid anhydrides. Therefore, it is important to determine the 1,2-glycol content in epoxy resins for both resin manufacture and customer use.

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