研究简报

树状硅基大分子光引发剂的合成与表征

王生杰, 范晓东, 侣庆法, 孔杰, 张国彬

西北工业大学理学院应用化学系; 西北工业大学理学院应用化学系 西安

收稿日期 2005-10-21 修回日期 2006-2-17 网络版发布日期 接受日期

摘要

关键词 树状硅碳烷 大分子光引发剂 紫外光固化 热稳定性

分类号

# SYNTHESIS AND CHARACTERIZATION OF DENDRITIC CARBOSILANE BASED MACROPHOTOINITIATOR

WANG Shengjie, FAN Xiaodong, SI Qingfa, KONG Jie, ZHANG Guobin

Department of Applied Chemistry; School of Science; Northwestern Polytechnical University; Xi'an 710072

Abstract A carbosilane dendrimer based macrophotoinitiator(MPI-185)containing benzophenone moiety terminal groups was synthesized by a divergent bydrosilylation / allylation reaction sequence followed by alcoholysis of the silicon chloride end groups. The structure of MPI-185 was characterized by FTIR, H-NMR, H-NMR, and H-NMR, a

Key words Carbosilane dendrimer Macrophotoinitiator Ultrovialet curing Thermal stability

DOI:

## 扩展功能

#### 本文信息

- ▶ Supporting info
- ▶ **PDF**(263KB)
- ▶[HTML全文](0KB)
- ▶参考文献

#### 服务与反馈

- ▶把本文推荐给朋友
- ▶加入我的书架
- ▶加入引用管理器
- ▶复制索引
- ▶ Email Alert
- ▶文章反馈
- ▶浏览反馈信息

### 相关信息

▶ <u>本刊中 包含"树状硅碳烷"的</u> 相关文章

▶本文作者相关文章

- 王生杰
- 范晓东
- · 倡庆法
  - 孔杰
  - 张国彬

通讯作者 范晓东