



橡胶工业

9
2022

Xiangjiao Gongye

China Rubber Industry

北京橡胶工业研究设计院有限公司 主办



广告

THIS IS PARKER

Chemlok® 3S
自粘添加剂

用于各种液体硅橡胶
大幅节省原材料成本

派克洛德赋能电子、汽车和其他工业应用中的液体硅橡胶，使普通的硅橡胶具有自粘接性能。除了优化工艺流程，提高设计灵活性外，比起自粘硅橡胶可大幅节省原材料成本。践行派克提高客户盈利能力以及帮助解决世界上更严峻工程技术难题的承诺。

lord.com/china/EPM



ENGINEERING YOUR SUCCESS.

ISSN 1000-890X



第 69 卷

第 9 期

Vol.69 No.9





橡胶工业

Xiangjiao Gongye
China Rubber Industry

第69卷第9期 (1953年创刊)
2022年9月25日出版

经国家科委批准出版
月刊 国内外发行

目次

特约来稿

基于植物多酚/多胺的芳纶帘线绿色环保浸胶体系及其界面粘合理研究

..... 张 博, 王文才, 田 明, 张立群 (643)

应用理论

硅烷偶联剂原位改性白炭黑/溶聚丁苯橡胶复合材料的流变性能和力学性能研究

..... 郑 涛, 邵红琪, 吴晓辉, 牛其强 (652)

液体聚异戊二烯橡胶对天然橡胶/反式聚异戊二烯橡胶并用胶性能的影响

..... 刘欢欢, 庞 松, 于 洋, 吴友平 (659)

超临界流体制备废旧轮胎热裂解炭黑/碳纳米管杂化粒子及其性能的研究

..... 殷 浩, 赵浩天, 林正伟, 陈燕鲁, 史新妍, 段咏欣 (667)

原材料·配方

硅烷偶联剂KH570改性高岭土/丙烯酸酯复合压敏胶的制备和性能分析

..... 楚金伟, 万小东, 韦晓星, 南 敬 (674)

钼系高乙烯基聚丁二烯橡胶在输送带胶料中的应用 赵天琪, 陈名行, 屈兆麒, 孙宗学, 周志峰, 张新军 (682)

防老剂L60对天然橡胶胶料耐老化性能的影响 孙 帆, 吴明生 (687)

天然橡胶胶料的耐低温性能研究 王贤彬, 赵庆彬, 李诗瑶, 杨永兵, 赵润梅 (693)

产品·设计

丁腈橡胶耐磨密封制品的关键性能优化 祝孝天, 吕秀凤, 张保生, 郭春杰 (697)

工艺·设备

次磺酰胺类促进剂高盐高化学需氧量生产废水综合处理工艺的开发 孟庆森 (704)

测试·分析

胎体结构对轮胎耐冲击性能的影响研究 金汉杰, 肖凌云, 王 琰, 周晓琴 (709)

综述·专论

反式丁戊橡胶的特性及其在动态橡胶制品中的应用研究进展 王 浩, 葛怀涛, 王日国, 栾 波 (714)

国内外动态 (692, 708, 719)



China Rubber Industry
(Xiangjiao Gongye)
Vol. 69, No. 9, September 2022
• Monthly •

Contents

Special Contribution

- Study on Environment-friendly Dipping System of Aramid Cord Based on Plant Polyphenols/Polyamines and Its Interfacial Adhesion Mechanism
..... ZHANG Bo, WANG Wencai, TIAN Ming, ZHANG Liqun (643)

Applied Theory

- Rheological and Mechanical Properties of Silica/SSBR Composites Modified In-situ by Silane Coupling Agent
..... ZHENG Tao, SHAO Hongqi, WU Xiaohui, NIU Qiqiang (652)
- Effect of LIR on Properties of NR/TPI Blends LIU Huanhuan, PANG Song, YU Yang, WU Youping (659)
- Preparation of Waste Tire Pyrolytic Carbon Black/Carbon Nanotube Hybrid Particles by Supercritical Fluid Technology and Their Properties
..... YIN Hao, ZHAO Haotian, LIN Zhengwei, CHEN Yanlu, SHI Xinyan, DUAN Yongxin (667)

Material • Compounding

- Preparation and Performance Analysis of Silane Couple Agent KH570 Modified Kaolin/Acrylate Composite Pressure Sensitive Adhesive..... CHU Jinwei, WAN Xiaodong, WEI Xiaoxing, NAN Jing (674)
- Application of Molybdenum-catalyzed HVBR in Conveyor Belt Compound
..... ZHAO Tianqi, CHEN Mingxing, QU Zhaoqi, SUN Zongxue, ZHOU Zhifeng, ZHANG Xinjun (682)
- Influence of Antioxidant L60 on Aging Resistance of NR Compound SUN Fan, WU Mingsheng (687)
- Study on Low Temperature Resistance of NR Compound
..... WANG Xianbin, ZHAO Qingbin, LI Shiyao, YANG Yongbing, ZHAO Runmei (693)

Product • Design

- Optimization of Key Properties of Wear Resistant NBR Sealing Product
..... ZHU Xiaotian, LYU Xiufeng, ZHANG Baosheng, GUO Chunjie (697)

Technology • Equipment

- Development of Comprehensive Treatment Process for High Salt and High COD Wastewater from Hyposulfonamide Accelerator Production MENG Qingsen (704)

Testing • Analysis

- Effect of Carcass Structure on Impact Resistance of Tire
..... JIN Hanjie, XIAO Lingyun, WANG Yan, ZHOU Xiaoqin (709)

Comprehensive and Special Review

- Research Progress of Characteristics of TBIR and Its Application in Dynamic Rubber Products
..... WANG Hao, GE Huaitao, WANG Riguo, LUAN Bo (714)

China Standard Serial Numbering: ISSN 1000-890X
CN 11-1812/TQ

Chief Editor: HUANG Jiaming

Superintended by China Petroleum and Chemical Industry Federation

Sponsored by Beijing Research and Design Institute of Rubber Industry Co., Ltd

Edited by Editorial Office of China Rubber Industry

Add.: No. 19A, Fushi Road, Haidian District, Beijing 100143, China

Tel.: +86-10-51338149, 51338678

Adv.& Dist.Tel.: +86-10-51338152, 51338151

Fax: +86-10-51338150

http://www.rubbertire.com.cn

E-mail: rubbertire@263.net

Published by Editorial Office of China Rubber Industry

Printed by Beijing BOHS Colour Printing Co., Ltd

Overseas Distributed by China International Book Trading Corporation (P. O. Box 399, Beijing 100048, China)

Publishing Date: every 25th

Overseas Subscription Price: 25 USD

Serial Parameters: CN 11-1812/TQ * 1953 * m * A4 * 80 * zh * P * \$25.00 * 4000 * 12 * 2022-09 * n