

检测,在此表示感谢!

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Effect of Mixing Process on Residual Amount of Antioxidant RD and Properties of Compound

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Abstract: The effect of the mixing process on the residual amount of antioxidant RD and properties of the compound was investigated. The results showed that the antioxidant RD underwent decomposition reaction during the high temperature treatment, and its mass loss increased as the heat treatment temperature increased. When the antioxidant RD was added at a high temperature (155 °C) stage, the mass loss was increased by 20% compared with that when it was added at a low temperature (110 °C) stage. Compared with the addition in the high temperature mixing stage, the physical properties of the compound with antioxidant RD which was added in the low-temperature mixing stage were equivalent before heat aging, but the physical properties, wear resistance and cutting resistance after heat aging were improved.

Key words: antioxidant; mixing process; aging; physical property; wear resistance; cutting resistance

橡机行业步入下行通道

2020年以来,我国橡胶机械行业主要经济指标全盘下降,其中销售收入、出口创汇、利润等指标更呈两位数下降。

(1) 销售收入降幅明显。据中国化工装备协会橡胶机械专业委员会(简称橡机专委会)统计,2020年上半年,全国20家主要橡胶机械厂家销售总额为24.9亿元,同比下降17.5%,以此推算上半年我国橡胶机械行业总销售额为37.2亿元,同比下降19.5%。受新冠肺炎疫情影响,2020年2—4月企业生产基本停顿;订单减少使一些传统橡胶机械企业生产任务严重不足,行业开机率处于历史较低水平;产品尤其是出口产品无法出货,销售收入大幅下降。

(2) 盈利状况不甚理想。橡机专委会统计的20个厂家2020年上半年利润同比下降188%,其中亏损企业4家,且亏损额较大。橡胶机械行业利润

下降的主要原因是销售额大幅下降、库存压力加大等。目前橡胶机械行业订单有限,市场竞争激烈,预计下半年利润水平难有较大幅度改善。

(3) 出口创汇大幅下降。橡机专委会统计的20个厂家2020年上半年出口交货值为4.41亿元,同比下降17.6%,以此推算上半年我国橡胶机械行业总出口创汇达8500万美元,同比下降15%。橡胶机械行业出口创汇大幅下降的主要原因是疫情影响出口订单的签订,国与国、地区与地区的封锁严重影响产品的交货及售后。目前国外疫情仍未完全控制,预计还会持续一段时间,橡胶机械出口仍不容乐观。此外,我国轮胎企业在东南亚等的海外项目中,全钢轮胎项目基本按计划进行,而有些半钢轮胎项目因美国对泰国、越南“双反”而取消或延缓,对我国橡胶机械出口更为不利,预测2020年橡胶机械出口创汇大概率为近年较低水平。

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