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Adhesion Property at High Temperature of Heat Resistant Conveyor Belt of Duck Construction

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Abstract: The adhesion property at normal and high temperature of heat resistant conveyor belt of duck construction and its affecting factors were investigated. The results showed that, with increase of experiment temperature, the adhesion property of heat resistant conveyor belt of duck construction decreased significantly. By adding adhesive RF/RA with the blending ratio of 4/3.6 in cover compound, the adhesion property of belt at normal and high temperature increased. The adhesion property at normal temperature could also be improved by increasing the thickness of breaker ply properly, but the adhesion property at high temperature changed little. At high temperature, the adhesion property of belt with nylon 6 canvas was better than that with polyester canvas.

Key words: heat resistant conveyor belt of duck construction; high temperature; adhesion property

一种环保型橡胶产品胶料配方

中图分类号:TQ333.4　　**文献标志码**:D

由铁岭华晨橡塑制品有限公司申请的专利(公开号　CN 101792556A,公开日期　2010-08-04)"一种环保型橡胶产品胶料配方",提供了一种环保型橡胶产品胶料配方,配方组分及用量为:EPDM(牌号 8340A,荷兰 DSM 公司产品)　98～102,炭黑 N550(美国卡博特公司产品)　108～112,炭黑 N774　40～60,硬脂酸　1.8～2.2,聚乙二醇　4.7～5.3,氧化锌(中国台湾亚特曼公司产品)　4.7～5.3,氧化钙　7.5～8.5,分散剂 L-24　1.2～1.8,轻质碳酸钙　28～32,石蜡油　78～82,促进剂 ZDBP(德国拜耳公司产品)　0.6～1,促进剂 NS　0.5～0.9,促进剂 BZ　1.7～2.3,促进剂 M　0.9～1.5,促进剂 DTDM　0.8～1.2,促进剂 TRA　0.6～1,硫黄　1.2～1.8。采用该配方的橡胶产品物理性能和化学性能较高,重金属含量极低,是一种较为理想的环保型橡胶产品。

(本刊编辑部　马　晓)

一种橡胶输送带制造设备

中图分类号:TQ330.4^{+}6　　**文献标志码**:D

由河北昊德橡塑有限公司申请的专利(公开号　CN 101797807A,公开日期　2010-08-11)"一种橡胶输送带制造设备",涉及的橡胶输送带制造设备由左右两个相对固定的框架构成的机架、两个框架之间设置有至少两层用于棉帆布芯、聚酯帆布芯传动并产生张力的轴辊组合及硫化成型机构和设置有动力机构的布卷轴构成;每层轴辊组合依次包括第一导向轴棍组、传送轴棍组、通过轴辊两端与框架弹性连接构成的张力轴棍和设定有动力机构的第二导向轴棍;每层布芯通过轴辊组合的长度相同。采用该设备生产的橡胶输送带具有整体强度、抗拉力等性能参数一致性高的优点。

(本刊编辑部　马　晓)