

要作用方式。

(3) 胶料能够在较短时间内实现不间断的相互混合,而且速度分布有序,轴向速度产生的拉伸作用促进了胶料在机筒内分散混合,胶料混炼更均匀。

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## Analysis of Dynamic Flow Field in Feeding Zone of Extruder

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**Abstract:** The transient flow field in the feeding zone of  $\Phi 200$  single screw extruder mixing for 1 s was simulated and analyzed by using professional viscoelastic fluid software Polyflow. The results showed that, by using double helix structure in feeding zone, the distribution of shear rate was a broader, the force of the screw on the compound was enhanced, the performance of plasticizing and mixing was improved. In the mixing process, the compound was stretched repeatedly and backmixed, so that good mixing result was obtained.

**Key words:** extruder; feeding zone; dynamic flow field; dynamic simulation

## 双钱轮胎获 SmartWay 认证

中图分类号:TQ336.1;U463.341 文献标志码:D

美国《现代轮胎经销商》(www.moderntire-dealer.com)2014年11月21日报道:

双钱 RT600 和 RR202(见图1)载重轮胎通过美国环境保护署 SmartWay 认证。这两款轮胎均满足认证程序的低滚动阻力性能标准。

双钱公司致力于轮胎产品降低排放和改善燃油经济性。SmartWay 认证是我们未来正确发展的积极步骤,双钱员工为双钱产品出现在认证名单上而感到骄傲。

低断面全轮位 RT600 轮胎具有5条条形花



图1 RR202 轮胎

纹设计,可提高操纵精准性、横向稳定性和牵引性。超高性能高速公路 RR202 轮胎具有标准和低断面规格,适用范围包括长途巴士和卡车等。

(肖大玲摘译 吴淑华校)