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Effect of Phase Structure of NR/EPDM on Properties of the Blend

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Abstract: The effects of blend ratio and viscosity ratio of NR/EPDM on the physical property, aging resistance and phase structure of the blend were investigated. The results showed that, the co-vulcanization of NR/EPDM blend could be improved by adjusting the curing characteristics of EPDM and NR. When the viscosity ratio of NR/EPDM blend was unchanged, with the addition level of NR increasing, NR formed the continuous phase and the aging resistance of the blend was reduced. When the blend ratio of NR/EPDM was unchanged, with the viscosity of EPDM decreasing, EPDM formed the continuous phase and the aging resistance of the blend was improved.

Key words: NR; EPDM; co-vulcanization; viscosity ratio; phase; aging resistance

Omni United推出Radar Dimax 4 Season全天候轮胎

中图分类号:TQ336.1;F27　　**文献标志码**:D

美国《现代轮胎经销商》(www.moderntiredealer.com)2016年8月5日报道:

Omni United公司推出全天候轮胎——Radar Dimax 4 Season(见图1)。这种全天候轮胎是专为全年使用设计的,所有规格均通过在冬季条件下使用的认证,有三峰雪花标志。

Omni United声称,Radar Dimax 4 Season全天候轮胎在全年天气条件下性能良好,并提供高行驶里程。

图1　Radar Dimax 4 Season全天候轮胎

Omni United的工程师们为那些希望在旅途中遇到任何天气轮胎都具有良好性能的司机设计了Radar Dimax 4 Season全天候轮胎,如雪、泥浆、雨以及夏季干燥条件。

Radar Dimax 4 Season全天候轮胎具有不对称胎面花纹,其高密度横向刀槽花纹保证轮胎在冬季及湿滑路面上行驶安全且操控性能良好。两种胶料配合技术增强了轮胎在所有天气条件下的抓着性能,使其可以全年使用。另外,轮胎具有优化的胎体轮廓和胎面花纹节距序列,可为司机提供安静、舒适的驾驶性能。

Radar Dimax 4 Season全天候轮胎目前有23个规格,轮辋直径为406.4和431.8 mm(16和17英寸),适用于轿车和SUV,采用了流行的跑气保用轮胎的规格,速度级别高达W级。到2017年年中,Radar Dimax 4 Season全天候轮胎规格将增至112个。

(赵　敏摘译　吴秀兰校)