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收稿日期:2010-07-03

Structure and Properties of OC/IIR/EPDM Nanocomposites Prepared by Melt Blending

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Abstract: The organic clay(OC)/IIR/EPDM nanocomposites were prepared by mechanical blending methods, and the structure and properties of the nanocomposite were investigated. The results showed that the molecular chains of IIR were intercalated into the OC layers in the nanocomposites. IIR and EPDM were thermodynamically compatible, and the air tightness and physical properties of the nanocomposites were excellent when the addition level of OC was 30 phr and the blending ratio of IIR/EPDM was 50/50.

Key words: IIR; EPDM; organic clay; nanocomposite; air tightness

横滨公司 ADVAN 系列轮胎增加新规格

中图分类号:TQ336.1;U463.341+.4 文献标志码:D

美国《轮胎商报》(www.tirebusiness.com)

2010年9月20日报道:

横滨轮胎公司 ADVAN 系列超高性能轮胎已新增 6 个规格。

横滨公司声称, Neova AD08 超高性能轮胎(见图 1)新增规格为 245/40R19 94W, 265/35R19 94W 和 275/35R19 96W, 使这款轮胎当前规格达到 35 个, 轮辋直径范围为 381.0~482.6 mm(15~19 英寸)。

Neova AD08 轮胎是为豪华运动型轿车、家用轿车, 包括保时捷、梅赛德斯-奔驰、宝马、雷克萨斯等品牌设计的, 其中 245/40R19 94W 规格将为日产 370Z(前轮)配套; 265/35R19 94W 规格将为保时捷 Boxster/Cayman(后轮)和宝马 M3(后轮)配套; 275/35R19 96W 规格将为日产 370(后轮)配套。

Neova S. 4 轮胎新增规格为 255/50R19



图 1 Neova AD08 超高性能轮胎

107W, 275/45R19 108W 和 275/40R20 106W, 其中 255/50R19 107W 规格将为梅赛德斯-奔驰 ML/RL、讴歌 MDX/ZDX 和路虎揽胜配套; 275/45R19 108W 规格将为讴歌 MDX、大众途锐和保时捷卡宴配套; 275/40R20 106W 将为大众途锐、保时捷卡宴和路虎揽胜配套。

(赵敏摘译 吴秀兰校)