

# Breakthrough Newsheet

**AsahiKASEI**

14 May, 2009

Grade: S.O.E.™ Trial Grades

**Asahi Kasei Chemicals Corporation Synthetic Rubber Division**

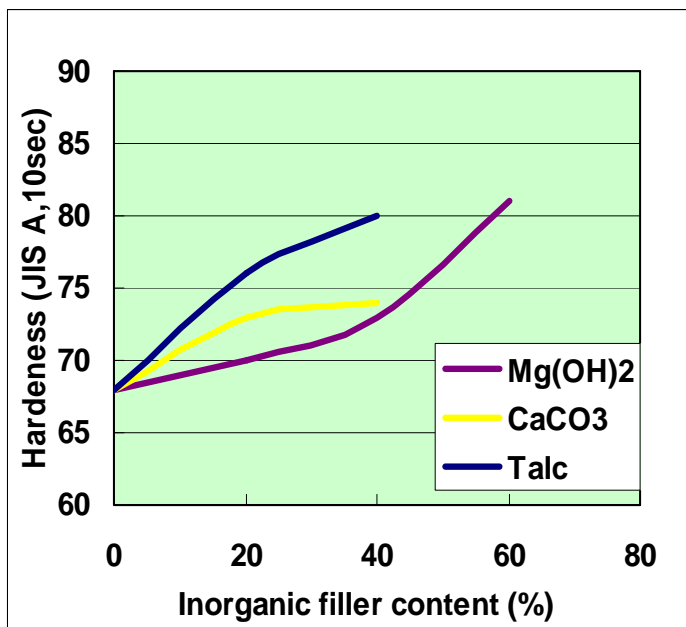
Elastomer Sales Dept. 2

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## Formulations with high filler content enabled by S.O.E.™ Large addition of $\text{CaCO}_3$ , $\text{Mg}(\text{OH})_2$ , other fillers, without excessive hardness

- ◆ Large-quantity inorganic filler addition, without loss of semi-hard property.
- ◆ Significant cost reduction, through high filler content.
- ◆ Superior flame retardance, through high  $\text{Mg}(\text{OH})_2$  content.  
*Rating equivalent to UL-94 V-0 with 2 mm thickness attainable, with S.O.E.™/Mg(OH)<sub>2</sub> at 45/55*
- ◆ High compatibility with EVA, PE, other polyolefins.  
*Ease of calendaring on regular PVC calendaring machines, with S.O.E.™/inorganic filler /polyolefin as well as S.O.E.™/inorganic filler formulations*

### Hardness vs. filler content, in S.O.E.™/filler formulation



### Tube — made with S.O.E.™ S.O.E.™/CaCO<sub>3</sub>=100/75



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