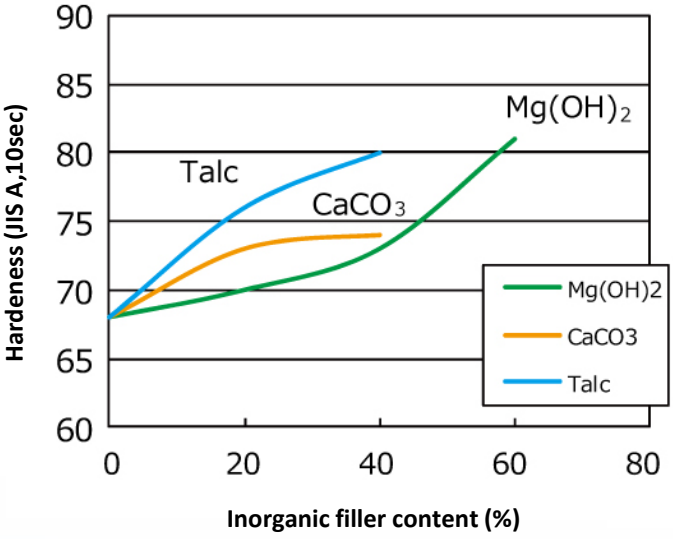
AsahiKASEI
Sheet #TS-07
Asahi Kasei Corporation
Performance Polymers SBU
Thermoplastic Elastomer Division
Elastomer Sales Dept. 2

Tech Sheet

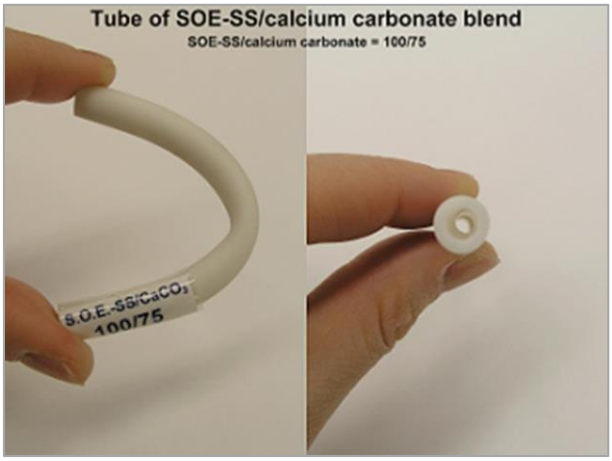
Formulations with high filler content enabled by S.O.E.™ Large addition of CaCO3, Mg(OH)2, other fillers, without excessive hardness

- Large-quantity inorganic filler addition, without loss of semi-hard property.
- Significant cost reduction, through high filler content.
- Superior flame retardance, through high $Mg(OH)_2$ content.
  Rating equivalent to UL-94 V-0 with 2 mm thickness attainable, with S.O.E.TM/$Mg(OH)_2$ at 45/55
- High compatibility with EVA, PE, other polyolefins.
  Ease of calendering on regular PVC calendering 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.™/CaCO3=100/75



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