

Breakthrough Newsheet

AsahiKASEI

July 31, 2009

Grade: TUFTEC™ MP10

Asahi Kasei Chemicals Corporation Synthetic Rubber Division

Elastomer Sales Dept. 2

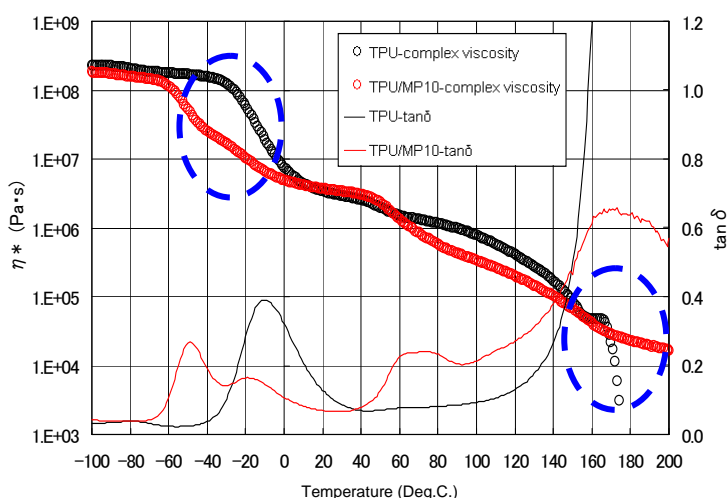
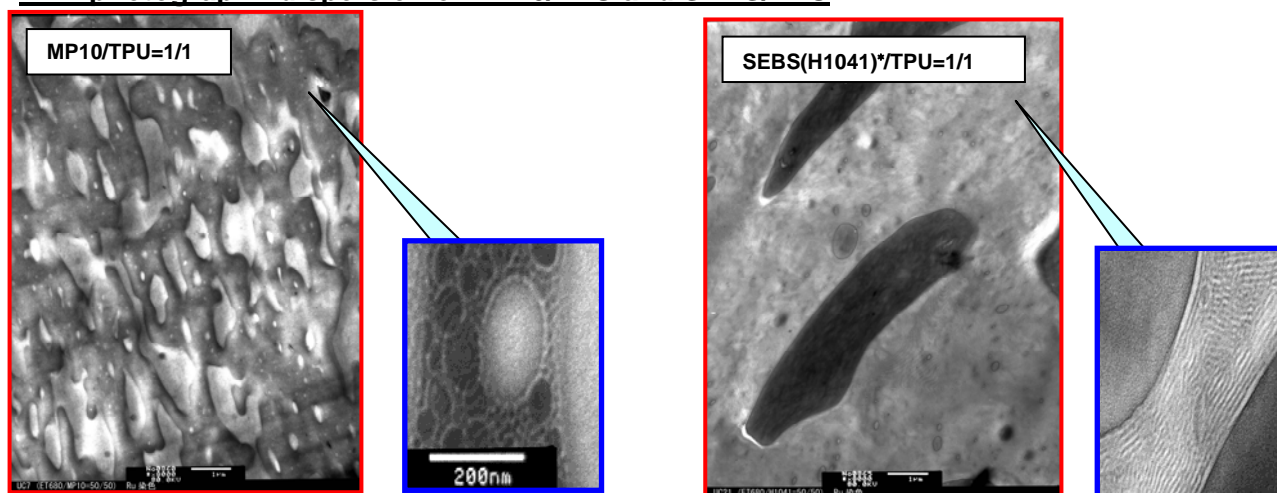
1-105 Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan

Compatibilization between TPU and olefinic resins by using modified SBBS, TUFTEC™ MP10

TUFTEC™ MP10

- ◆ Has superior compatibility with TPU.
- ◆ Is effective as a compatibilizer between TPU and olefinic resins (PP or PE).
- ◆ Reduces the brittleness at low temperatures.
- ◆ Improves the processability by controlling the rapid viscosity change at TPU processing temperatures.

TEM photograph : dispersion of MP10/TPU and SEBS/TPU



*non-modified TUFTEC™ grade

TPU : ET590 by BASF
MP10 : Amine modified TUFTEC™

- *1 : Reduction of low temperature brittleness of TPU
 - moderates the rapid viscosity change between 0 to -30 Deg. C.
- *2 : Improvement of viscoelasticity of TPU at the processing temperatures.
 - moderates the rapid viscosity change at the temperature over 150 Deg. C.

All data and values based on specific test methods, and given for basic reference only and not as any warranty or specification. Applications shown for illustration only, and represent no warranty of suitability or non-infringement of intellectual property rights.

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