

# Breakthrough Newsheet

Sheet No. SOE-019  
**AsahiKASEI**

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Grade : S.O.E.<sup>TM</sup> Series  
(Trial grades)

Asahi Kasei Chemicals Corporation Synthetic Rubber Division

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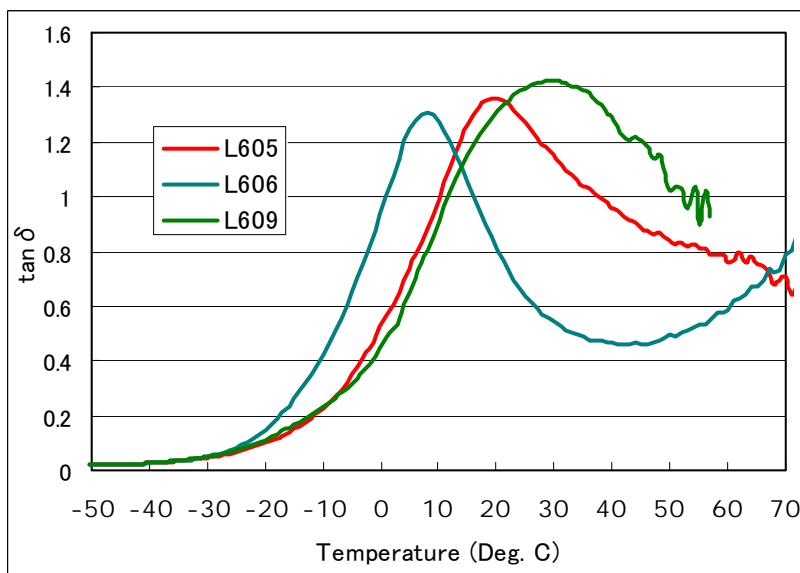
## Excellent compatibility with asphalt, by using S.O.E.<sup>TM</sup> series (trial grades)

S.O.E.<sup>TM</sup> series has superior compatibility with asphalt.

S.O.E.<sup>TM</sup>/asphalt compound is effective for vibration-damping due to

Tan  $\delta$  peak at room temperature.

Figure : Viscoelastic property of S.O.E.<sup>TM</sup>/Asphalt compounds



Composition:

S.O.E.<sup>TM</sup>/Straight asphalt60-80=15/85

Device:

ARES2 (Torsion Rectangular)

Measurement condition :

Frequency=6.28rad/s

Strain=0.5%

Table: Tan  $\delta$  of S.O.E.<sup>TM</sup>/Asphalt compounds

	Neat Polymer		Compound (S.O.E. <sup>TM</sup> /AS=15/85)	
	tan $\delta$ Peak temperature (Deg. C)	tan $\delta$ Peak value	tan $\delta$ Peak temperature (Deg. C)	tan $\delta$ Peak value
L605	17.1	1.55	19.1	1.36
L606	-13.0	1.72	8.1	1.31
L609	19.0	1.31	29.1	1.43

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.

Note: L605, L606, and L609 are trial grades under development. Thus, their specification may be changed without notice, and they may not be commercialized.

The product of Asahi Kasei Chemicals shown herein must not be used for any medical device or drug, except with its express written consent.

S.O.E.<sup>TM</sup> is a trademark of Asahi Kasei Chemicals Corporation.

