Breakthrough Newssheet

AsahiKASEI

14 May, 2009

Grade:S.O.E.™L608

ASAHI KASEI CORPORATION Synthetic Rubber Division
Elastomer Sales Dept. 2
1-105 Kanda Jinbocho, Chiyoda-ku, Tokyo 101-8101 Japan

The wear-and-abrasion improvement by S.O.E.™ L608

◆S.O.E.™ can give excellent wear-resistance performance to elastomeric materials, such as TPV and SEBS compounds.

< Properties of SEBS and L608 hybrid compound >

					L608 Hybrid compound	Normal SEBS compound
Formulation	Oil extended S.O.E.™-SS L608				65(*3)	-
	TUFTEC™ N504 (*1)				50	100
	PP, random copolymer (MFR7.5)				40	40
	Paraffin oil				25	40
	Silicone oil				4	4
	Antioxidant				1	1
Properties		JIS	Condition			
	Hardness	K6253	Shore A	-	80	77
	MFR	K7210	230°C 2.16kgf	-	0.76	0.01
	Tensile Strength	K6253	Speed 500mm/min	MPa	27	28
	Elongation	K6253	23°C	%	740	780
	Resilience	BS 903		%	17	48
	Reduction rate by wearing test(*2)		After 20000 cycles	%	17	49

*1. ASAHI-KASEI's high molecular weight SEBS, which is available in limited regions.
*2. Sample plate with grains is rubbed by cotton cloth (Load:500g)
*3. Total paraffin oil content is adjusted to the same in total as SEBS compound due to oil extended L608.

< Comparison of wear-resistance between L608 hybrid compound and normal SEBS compound >