

Breakthrough Newsheet

AsahiKASEI

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Grade: S.O.E.TML608
Asahi Kasei Chemicals Corporation Synthetic Rubber Division

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

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

< Properties of SEBS and L608 hybrid compound >

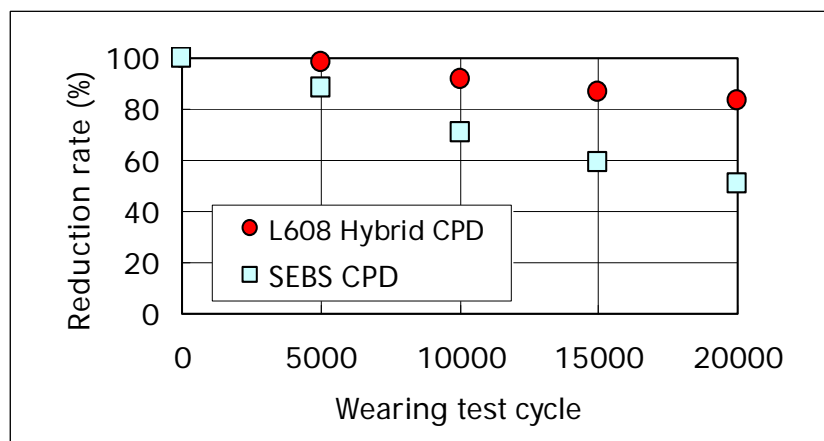
				L608 Hybrid compound	Normal SEBS compound	
Formulation	Oil extended S.O.E. TM -SS L608			65(*3)	-	
	TUFTEC TM N504 (*1)			50	100	
	PP, random copolymer (MFR7.5)			40	40	
	Paraffin oil			25	40	
	Silicone oil			4	4	
	Antioxidant			1	1	
Properties		JIS	Condition			
	Hardness	K6253	Shore A	-	80	77
	MFR	K7210	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 Chemical'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 >



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: L608 is a trial grade under development. Thus, its specification may be changed without notice, and L608 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.

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