



Product description	SH0000D is a bi-functional peroxide formulation which is mainly used for the crosslinking of silicone rubbers.
Applications	Silicone rubbers.
Key performance properties	Rubber compounds containing SH0000D has excellent scorch safety. Safe processing temperature : 135°C Typical cross-linking temperature : 175°C

Typical Property Data

Benefits	– Excellent process ability – Excellent scorch safety		
Typical properties	Prope	Unit	SH0000D
	Description	–	2,5-Dimethyl-2,5-di(tert-butylperoxy) hexane, paste 45–50% in silicone oil $ \begin{array}{ccccccc} & \text{CH}_3 & & \text{CH}_3 & & \text{CH}_3 & & \text{CH}_3 \\ & & & & & & & \\ \text{CH}_3 & - \text{C} & - \text{O} & - \text{O} & - \text{C} & - \text{CH}_2 & - \text{CH}_2 & - \text{C} & - \text{O} & - \text{O} & - \text{C} & - \text{CH}_3 \\ & & & & & & & & & & \\ & \text{CH}_3 & & \text{CH}_3 & & \text{CH}_3 & & \text{CH}_3 \end{array} $
	Appearance	–	Clear paste
	Assay	%	45–50%
	Molecular weight	–	290.4
	Active oxygen content peroxide	%	11.02
	actual product	%	4.84 – 5.06
	Density, 20°C	g/cm3	0.940
	※ Typical properties should not be used as specifications They are evaluated in laboratory, and can be different from test condition.		
Composition	– Peroxy hexane – Dimethylpolysiloxane – Silicone gum		
Features	– Cross-linking agent		

Storage and packaging

Shelf life and storage	Due to the relatively unstable nature of organic peroxides a loss of quality can be detected over a period of time. To minimize the loss of quality, KCC recommends a maximum storage temperature for each organic peroxide product. For SH0000D T _{max.} = 30°C (86°F) T _{min.} = 10°C (50°F) to prevent freezing
Packaging	20 kg plastic pail

Remarks

Handling	Keep containers tightly closed. Store and handle SH0000D in a dry well-ventilated place away from
Precautions	sources of heat or ignition and direct sunlight. Never weigh out in the storage room. Avoid contact with reducing agent, acids, alkalis and heavy metal compounds.

Warranty information	Please read carefully The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that KCC's products are safe, effective, and fully satisfactory for the intended end use. KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted. KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.
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※ Please refer to MSDS if you want to know more specific usage or caution.
for further information, please see our website, www.kccworld.co.kr

