## **TECHNICAL DATA SHEET**



## HANSA MBA 37155

## Mixture of silicones and reinforcing filler for producing addition crosslinking silicones

<b>Description</b> CHTs masterbatches are a mixture of silica and a vinyl-group	Property Product	Test Method	Value
containing polysiloxane. They are mainly used for the production	Color		Transparent
of addition-curing formulations in the field of RTV and LSR. The materials are solvent-free and have a low cyclic (D4-D6) content which is available via the product info or the MSDS.	Non-Volatile Content (%)		> 99
Key Features	Shelf Life		12 mths
Containing silica	Ultralow cyclic content		Yes
Good transparency	Vinyl content mmol/g		0.101 mmol/g
<ul><li>Strong mechanical properties</li><li>Low D4, D5, D6 content</li></ul>	Viscosity	Brookfield	950000 cP
Key Applications	Uncured Product		
<ul> <li>Intermediate for addition curing formulations</li> </ul>	Cure Type		Additon cure
Use and Cure Information	Cured Product		
To produce a processable silicone rubber, the masterbatch must be diluted with a vinyl siloxane from the HANSA SFA 4 series.	Density	BS ISO 2781	1.1 g/cm3
The degree of dilution is determined depending on the desired vulcanizate properties.	Solubility		Second and the
The silicone rubber vulcanizes both at room temperature and at elevated temperatures after addition of a platinum catalyst from the ALPA-KAT series and silicone hydride from the HANSA SFA 1 series.			insoluble

All components should be well mixed to ensure the material is uniform. For best results, we recommend degassing afterwards.

Great care must be taken when handling and mixing all addition cured silicone elastomer systems, ensuring that all the mixing tools are clean and constructed in materials which do not interfere with the curing mechanism. The cure of the rubber can be inhibited by the presence of compounds of nitrogen, sulphur, phosphorus and arsenic; organotin catalysts and PVC stabilizers; epoxy resin catalysts and even contact with materials containing certain of these substances e.g. moulding clays, sulphur vulcanised rubbers, condensation cure silicone rubbers, onion and garlic.

These substances may impair or even completely prevent the curing behavior of addition crosslinking silicones typically indicated by tacky surfaces. Therefore, it is important to check the compatibility in preliminary tests if unknown substrates are used.

## Health & Safety

Please observe our safety data sheets and the safety remarks on our container labels when handling our products. The dangerous goods regulations and the accident prevention regulations of the professional associations must be particularly observed. Keep the EC safety data sheet of the applied product at hand since it provides you with useful instructions for the safe use and disposal of the product as well as for actions to be taken in case of accidents.

CHT Masterbatches are available in a variety packaging including bulk containers. Please contact our customer service department for more information.

Revision Date30 Apr 2021Revision No3Download Date17 May 2024

CHT Germany GmbH: Postfach 12 80, 72002 Tübingen, Bismarckstraße 102, 72072 Tübingen, Germany

Telephone: 07071/154-0, Fax: 07071/154-290, Email: info@cht.com, Homepage: www.cht.com / www.cht-silicones.com

The content set out in the technical data sheet does not contain information upon which you should rely. It is provided for general information purposes only and does not constitute a product specification. You must obtain professional or specialist advice before taking any action based on the information provided in the technical data sheet.

CHT make reasonable efforts to ensure that information set out in the technical data sheet is complete, accurate, and up-to-date. CHT do not, however, make any representations, warranties or guarantees (whether express or implied) that information set out in the technical data sheet is complete, accurate, or up-to-date or that the product will be suitable for your requirements. You should carry out your own testing to determine the applicability of such information and whether the product will be suitable. CHT reserve the right to modify the technical data sheet at any time. The CHT technical service department is available to offer further information and advice and should it be needed to look at modifying current products or custom formulate a new one to meet your specific requirements. Please contact the technical service department.