

Rhenofit® TRIM/S

Specialty and standard chemicals

Function

Activator for peroxide vulcanization.

Product description

Composition:	70 % trimethylolpropane trimethacrylate 30 % silica
Appearance:	white powder, non-dusting
Density, 20 °C:	approx. 1.29 g/cm ³
Discoloration of vulcanizates:	none
Physiological properties:	see safety data sheet

Use

Mode of action:	Polymer radicals, formed during peroxide vulcanization, react with the methacrylate groups of the coagent Rhenofit TRIM/S, thus providing additional reactive sites for crosslinking. Therefore, the degree of polymer crosslinking may be considerably increased from that normally obtained by greater additions of peroxide. Generally coagents increase the rate of crosslinking. The vulcanizates show partly increased hardness, higher moduli, outstanding resilience and good abrasion resistance. Storage stability and processing safety of compounds will be to some degree limited by the presence of Rhenofit TRIM/S. Rhenofit TRIM/S is particularly suitable for EPDM compounds which are heavily loaded with carbon black and for black NBR compounds of high quality.
Processing:	Rhenofit TRIM/S should be added at the end of the first mixing stage, in compounds tending to scorch in the second mixing stage together with other additives.
Dosage:	1-3 phr
Application:	Molded and extruded technical articles based on EPDM, EPM, NBR, CM, etc., e.g. seals, bushings, cables, profiles

Packing

25 kg carton with PE bag inside on 600 kg skid

Storage stability

In closed original containers under cool and dry conditions 730 days from date of production. Recommended storage temperature: below 25 °C.

Handling

For additional handling information on Rhenofit TRIM/S please consult current safety data sheet.

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.



LANXESS Deutschland GmbH
Business Unit Rhein Chemie
Kennedyplatz 1
D-50569 Cologne, Germany
<http://rch.lanxess.com>