



TECHNIC® HMT-80

PREDISPERSED RUBBER CHEMICALS & ADDITIVES

TECHNICAL DATA SHEET

Issue No
004/01

Revision Date
01.10.2022

Product

TECHNIC® HMT-80

Classification

Accelerator for the vulcanization of natural and synthetic rubbers, also formaldehyde donor for steel cord adhesion.

Composition

80 % hexamethylenetetramine with 20% polymer binder and dispersing agents

Properties

Product

Physical Form	Granules
Color	White/Off white/ Grey to beige
HMT %	77 - 81
Specific Gravity at 25°C	1.05 - 1.30

Solubility

Product

Toluene	Rubber solution
---------	-----------------

Storage properties

Stable in cool and dry places under packed condition.

Application:

TECHNIC® HMT-80 is a slightly basic accelerator for slow vulcanization. It causes the cure to start almost as soon as it has been added. The rate of cure is fairly slow. TECHNIC® HMT-80 provides a high degree of crosslinking. Mixes containing TECHNIC® HMT-80 receive activation and secondary acceleration from mercapto, sulfenamide, thiuram, and dithiocarbamate accelerators. In combination with resorcinol, TECHNIC® HMT-80 is especially used as a formaldehyde donor for the rubber-to-metal bonding (steel cord). Rubber-to-metal bonding is favorably influenced by the excellent dispersion of the TECHNIC granules. The additional use of an antioxidant is recommended to improve the resistance to aging of vulcanization, which have been accelerated by TECHNIC® HMT-80. Blooming does usually not occur.

Processing:

The thermoplastic, fully compatible polymer binder which is combined with special dispersing agents allows quick absorption and excellent dispersion in the rubber compound. In this way, optimal activity of the effective substance is ensured.

Dosage -

TECHNIC® HMT-80 to be used (1.3 - 1.6 phr) along with TECHNIC® R-80 (2.5 – 3.2 phr).

For further detail, contact with TWC Team.

Handling precautions

Wash your hand after handling. Dispose the contaminated hand gloves. Don't spill off the material. Avoid contact with eyes, skin and clothing. Keep container tightly close

Shipping

TECHNIC® HMT-80 are available in laminated paper bags of 25 kg.

Shelf Life

Product is stable 12 months from the date of manufacturing. It should be stored in cool & dry place in packed condition

Note: Information in this publication is believed to be accurate and is given in good faith, but it is for the customer to satisfy itself of the suitability for its own particular purpose. TWPL gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded expected to the extent that law prevents such exclusions

TECHNO WAXCHEM PVT. LTD.

5th Floor, Hitech Chambers, 84/1B, Topsia Road(S), Kolkata – 700 046, WB, India

Tel: +91 33 2285 1278 / 1279, 4004 8093 / 88094

Fax: +91 33 2285 1280. Email – info@twc.in. URL – www.twc.in