MM Cat L6W NT

Characterization

The MM catalysts are specially formulated for use with the MM900 series and MM800 series moulding rubbers. They offer the end user a greater flexibility to meet the requirements of the application and give some unique additional properties to products in the MM900 and MM800 series. MM NT catalysts offer the end user a less hazardous option and improved resistance to inhibition from moulding clays and polyurethane casting resins in comparison to catalysts based on dibutyltin dilaurate.

Key Features:

-Long pot life catalyst
-Standard pot life catalysts
-Fast cure catalysts
-Application specific catalysts – leather
-Application specific catalysts – shoe sole moulding
-Booster additive for low temperature / humidity

Technical Data

General Properties

MM Catalyst	Characteristic
CAT B5 NT	Blue, standard cure, less hazardous
CAT R5 NT	Red, fast cure, less hazardous.
CAT L6W NT	Colourless, standard cure, less hazardous
Cat W	Booster to accelerate cure
CAT L5 NT	Colourless, long pot life, leather application
CAT VE NT	Various colours, standard cure, shoe sole moulds
CAT VEI NT	Green, fast cure, shoe sole moulds.

Typical Curing Properties (At 23 +/- 2°C and 45 to 55% relative humidity)			
MM Catalyst	Addition Level	Pot Life (min.)	Demould Time (h)
B5 NT	5	>45	<24
R5 NT	5	15 bis 45	<3
L6WNT	5	>45	<24
CAT W*	1	15 bis 30	1 bis 2
CAT L5 NT	5	>60	<24
CAT VE NT	5	>20	<3
CAT VEI NT	5	5 bis 20	<1,5

* must be used in addition to standard cure speed MM catalyst.

All values are typical and should not be accepted as a specification.

Storability / Storage

With a proper storage the product will hold for approx. 12 months if stored properly below 40°C and protected from frost in a dry place in closed original containers.

The above given values are product describing data. Please consult the ‘delivery specification’ for binding product specifications. Further data about product properties, toxicological, ecological data as well as data relevant to safety can be found in the safety data sheet.

Application Technique

Application

Use and Cure Information

The curing process starts as soon as the catalyst is added to the MM900 series or MM800 series rubber base. Under normal conditions of temperature and humidity, typical curing characteristicsare described below. If the product is to be used in contact with aggressive chemicals, such as high styrene polyester resins or epoxies, it is recommended that the rubber be allowed to cure for 48 hours before use.

How to Use

Charge 95-100 parts by weight of MM900 series or MM800 series and the relevant parts by weight of catalyst, (see table 2), into a suitable plastic or metal container. The volume of the mixing vessel should be sufficient to allow for rapid expansion, which takes place during the initial degassing of the catalysed rubber. Mix thoroughly avoiding excessive air entrapment but using the colour contrast to achieve homogeneity (where applicable) Stop the mixer and scrape the vessel walls a few times. To prevent imperfections due to bubbles in the cured rubber, it is advisable to de-aerate the liquid rubber by using intermittent evacuation for a few minutes. Normally after releasing the vacuum 2 or 3 times, the mass collapses naturally after which degassing should continue for only a few minutes.

It is absolutely important to check the compatibility in preliminary tests if unknown substrates are used.

Safety

Please observe our EC 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.

We reserve the right to modify the product and technical leaflet.

Our department for applied technique is always at your service for further information and advice.

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