

SPECIFICATIONS

VULCOFAC HDC

GENERAL PROPERTIES

FONCTION :

ORIGIN : Production under control of *Safic-Alcan*

Composition : Hexamethylene diamine carbamate

CARACTERISTICS

	UNITS	TYPICAL VALUE	SPECIFICATIONS
Aspect		fine powder	
Color		Off - white	
Odor		slightly aminated	
Decomposition point	°C	152 - 156	>150
Ash content	%	0.05	< 0.2
Moisture	%	0.3	< 0.5
Purity	%	99	> 97
Sieve refusal 40 μ	%		<0.1
Sieve refusal 125 μ	%		< 0.01 (traces)
Particle size			
Statistic control by coulter laser particle size analyse	μ	Average :12	<25

USES

Standard application :

VULCOFAC HDC is a blocked diamine usable for vulcanization of elastomers reacting with amines such as fluorinated rubbers, ethylene acrylates copolymers, epichlorhydrins, bromobutyl...



Method of use :

The most currently used proportions are in the range of 0.8 to 2 pcr, depending on the expected final properties of cured parts. Indications of elastomer producer have to be followed. Due to insolubility in mixes before thermal decomposition, care must be taken in dispersing the product in the mix ; it has a great influence on final quality of vulcanised goods.

Vulcanisation temperatures generally used are between 150 and 180°C, but decomposition already begins at 90°C, so that scorching could develop in case of too high compounding temperature.

Handling and storage :

Material could be irritating for skin and eyes.

This material, like most organic material in powder form, is able to create a dust explosion, and appropriate precautions should be taken.

STORAGE

In normal storage conditions (dry and cool place), product is stable for at least 2 years.

PRESENTATION

VULCOFAC HDC is supplied in 450 kg Big Bag, 30 kg fiber drums or 10 kg boxes with internal polyethylene bags.

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Important: Les informations contenues dans cette fiche technique sont basées sur l'état actuel de nos connaissances. La responsabilité quant aux conditions d'application et d'emploi relève de l'utilisateur