

**Emtex<sup>®</sup>**  
**Flameproofing agents (with binding agent)**  
**for nonwovens**



- Highly effective flameproofing effects



**Emtex® N 484**, **Emtex® N 264** and **Emtex® N 265** are flameproofing compounds based on binding agents with and without halogen. **Emtex® N 264** and **Emtex® N 265** contain no halogen or formaldehyde, thus meeting current requirements for the automobile industry. **Emtex® N 435** is especially tailored for the anchoring of natural fibre nonwoven fabrics and, in addition to its flameproofing components, also contains vulcanisation chemicals. This produces a rubbery covering of the fibre material with the typical properties of natural latex. After vulcanisation at approx. 120 °C, springy properties are obtained.

These products are adjusted ready for use and are typically applied in a spraying process. The quantity used of **Emtex® N** formulations depends on the degree of flame resistance desired, the type of fibre and the structure of the nonwoven, it being necessary for this to be determined in preliminary testing. In order not to change the properties with regard to flame resistance and the content of halogen and formaldehyde, **Emtex® N** compounds should not be mixed with other binding agents or systems.

The films of **Emtex® N 484**, **Emtex® N 264** and **Emtex® N 265** cross-link by themselves at temperatures above 140 °C, after which it is scarcely possible for them to be re-emulsified.

When dosed appropriately, the flame resistance characteristics meet the requirements of FMVSS 302

Contact our sales team with specific problem situations or to work out guideline recipes.

## **Emtex® Flameproofing agents (with binding agent) for nonwovens**

<b>Product characteristics</b>				
	<b>Emtex® N 265</b>	<b>Emtex® N 264</b>	<b>Emtex® N 484</b>	<b>Emtex® N 435</b>
Colour	White	White	White	White
Polymer	Acrylate	Acrylate	VC/E	NR
Solids content [%]	46 - 48	53.5 - 55.5	49 - 51	57.5 - 58.5
pH-value	5 - 7	6 - 8	6 - 7	10 - 11
Viscosity [mPas]	100 - 400*	100 - 250*	100 - 200*	
Viscosity 4 [s]			19 - 23**	
Halogen-free	●	●		●
Formaldehyde-free	●	●		
Storage	Cool and frost-free (+5 to +30 °C)			
Stability in storage	6 months			7 days

**Safety** Please consult the safety data sheets before use.

\* Haake VT02  
\*\*DIN cup

### **How to store and discharge**

Be sure to note that to obtain a homogenous product, with systems containing solids it is necessary to stir up the container before each discharge. When stored in storage tanks, there should be an intermittent stirring apparatus or a stirring apparatus that runs slowly.

Our application engineering advice is without guarantee. The responsibility for how our products are used and processed is with the buyer, also with respect to any industrial property rights of third parties. The technical data concerning our products are approximate values.

For further information please get in contact with Weserland GmbH

P.O.B. 210480, D-30404 Hannover, Fon +49 (0) 511 / 97 99 7-0, Fax 97 99 7-70, E-Mail: info@Weserland.eu, www.Weserland.eu