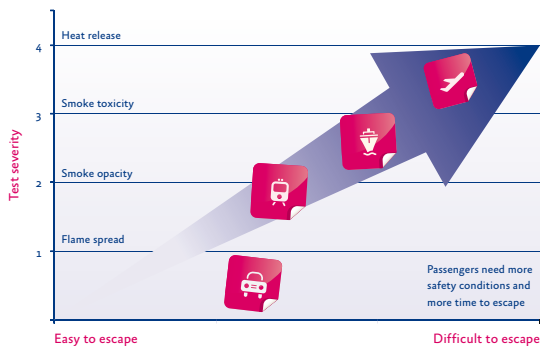


# FLAME RETARDANT COMPOUNDS



■ In today's society there is an unprecedented development in the number and methods of public transport. To provide additional protection from fires and to increase escape time when a fire occurs, products to enhance flame retardancy of goods have been developed. The level of performance required is proportional to the hazard situation of the mass transport considered. The more available has to be the escape time, the higher the requirements of the regulation.



## ■ CARS AUTOMOTIVE INTERIOR PARTS (I.E. CARPETS, INSULATION, ...)

Features for the finish :

- ➔ Thermo formable
- ➔ Low burning speed
- ➔ According to customers specification
- ➔ Standards : FMVSS 302 – ISO 3795



# FLAME RETARDANT COMPOUNDS

## ■ RAILWAYS CARPET FLOORING - NEW EUROPEAN STANDARD : EN 45545

The requirements for fire performance of products in EN 45545/part 2 are related to the risk levels of the train operations. The requirements cover all structural, furnishing and electrical products on a train. Parameters covered include ignitability, flame spread, heat release, smoke density and toxicity of fire effluents.

Features :

- ➔ Low smoke emission parameters (ASTM E662)
- ➔ Low toxicity
- ➔ Soft and low add-on
- ➔ Good weaving and tuft lock



## ■ AIRCRAFTS CARPET FLOORING

The requirements for fire performances on aviation products are set according to international regulations. Plane manufacturers complete these regulations with internal requirements on fire performance, especially for smoke emission parameters

Features :

- ➔ Soft finish – crack free
- ➔ Low add-on
- ➔ Black to white to transparent
- ➔ Low smoke emission parameters
- ➔ Good weaving and tuft-lock
- ➔ JAR/FAR part 25 appendix F – part 1
- ➔ Airbus (ABD 0031 – AITM 3.0005) and Boeing (BSS 7239) for smoke and toxicity tests



## ■ SHIPS CARPET FLOORING

Features :

- ➔ Soft
- ➔ Low add-on
- ➔ Low smoke parameters
- ➔ Good weaving and tuft-lock.
- ➔ According to IMO res A. 653(16) and IMO res A. 687(17)
- ➔ MSC 41 (64) smoke box



## ■ BUILDING CARPET FLOORING

European standard : Euroclass EN 14041 -> EN 13501

- ➔ EN ISO 9239-1 – Radiant panel
- ➔ EN ISO 11925 – Small flame



■ This is only a brief overview on our available grades. For more detailed information call on your local EOC representative or approach EOC's own fire retardant competence centre [TextileSolutions@eocgroup.com](mailto:TextileSolutions@eocgroup.com) to learn more about our flame retardant grades.

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## ■ EOC GROUP

- Compounds
- Surfactants
- Latices
- Emulsions
- Adhesives
- Polyurethanes

All recommendations for the use of our products, whether given by us in writing, orally, or to be implied from data or test results obtained by us, are based on the current state of our knowledge at the time such recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendations, the user is responsible to determine that the product as supplied by us, is suitable for the process or purpose he intends to use it. The user of the product is solely responsible for compliance with all laws and regulation applying to the use of the product. Since we cannot control the application, use or processing of the products, we do not accept responsibility therefore. The user shall ensure that the intended use of the products will not infringe in any party's intellectual property rights.

