

LUVOCOM LFT



High-Performance Materials for Helmets

For Firefighter and SAR Helmets we offer dedicated material solutions which meet the specific requirements. These materials provide a superior balance of all properties for highly engineered specialty helmets for use by firefighters, forestry or search and rescue teams, or in specialized industries such as the steel industry.

We have specially developed this material for helmet outer shells::

LUVOCOM LFT 1-8867GF07NT

It shows a balanced range of properties in terms of impact strength, tensile strength and rigidity. It is based on PA66, reinforced with long glass fibers and modified for excellent impact resistance.

If the component design is appropriate to the material and application, helmets made of this material meet all common test requirements.

For this or other applications in helmets we have further materials available. Customized solutions with other polymers, different filler content or colors are possible. Just contact us for more information.



STRUCTURAL



RESISTANT

LUVOCOM LFT 1-8867GF07NT adds value in comparison to other materials (e.g. PA66) used in this application area:

- Wall thickness optimization due to better filling performance of LUVOCOM LFT
- Fulfills flammability requirements without flame retardants (e.g. red phosphorus)
- No mold corrosion, driven by flame retardant
- No outgassing of toxic flame retardant while production or use of helmet (phosphine formation in wet/warm climate)
- In case of helmet damage or crack no plastic part split-off which can hurt staff
- Good paintability
- Recyclability due to absence of any flame retardant (no dumping required)



Europe & Head Office

Lehmann&Voss&Co. KG
Alsterufer 19
20354 Hamburg | Germany
Phone: +49 40 44 197 250
Email: info@lehvoss.de

www.luvocom.com

North America

LEHVOSS North America, LCC
185 South Broad Street
Pawcatuck, CT 06379 | USA
Phone: +1 855 681 3226
Email: info@lehvoss.de

Follow us on:



Asia

LEHVOSS (Shanghai) Chemical Co., Ltd
Unit 4805 Maxdo Centre
8 Xingyi Road, Changning District
Shanghai 200336 | China
Phone: +86 21 6278 5186
Email: info@lehvoss.cn



LEHVOSS
Group

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