Technology Request

PTFE (polytetrafluoroethylene) membrane for a multilayer jacket

Summary

A Greek manufacturer of personnel's corporate and industrial workwear in order to integrate multilayer protective jackets seeks a suitable, commercially available, PTFE membrane providing breathability and moisture control properties. They are seeking technical cooperation agreements.

Creation Date	06 November 2014
Last Update	17 November 2014
Expiration Date	17 November 2015
Reference	TRGR20141106001

Details

Description

The requesting company was founded with the aim to help solving the issue of personnel's corporate and industrial workwear with guaranteed safety features and high quality combined with functional properties. It specializes in manufacturing workwear meeting any kind of workers' needs, taking care of comfort while contributing, at the same time, with modern design and good-looking appearance. The company has been active in the field of workwear since 1987. The sought item is a suitable, commercially available, PTFE membrane providing breathability and sweating control properties for multilayer protective jackets. The sought quantity is around 100 metres.

Technical Specification or Expertise Sought

A (laminated) membrane with the following technical specifications:
- Weight 130 gr/sqm ± 10%
- Waterproofness › 200kPa, according to standard ISO 811
- Thermal resistance at 180-190 C according to standard EN 469 Annex A
- Water vapour resistance < 6sqm PA/W according to standard EN 31092

Stage of Development

Project already started

Keywords

Technology

010001003 Fire Safety Technology

Market

007004001 Clothing, shoes and accessories (including jewellery)

NACE

C.14.1.2 Manufacture of workwear

Dissemination

Send to Sector Group

Textile and Fashion

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

1987

Turnover

<1M

Already Engaged in Trans-National Cooperation

No.

Langages Spoken

English
Greek

Client Country

Greece

Partner Sought

Type and Role of Partner Sought

A provider of membranes applied on fabric which is impermeable by water and wind. Such products allow the body moisture produced during the body activity to be immediately transported towards the outside, thus avoiding the condensation and the unpleasant feeling of humidity.

Type of Partnership Considered

Technology Request

Low friction coatings with high temperature resistance

Summary

A German SME active in industrial coating services is searching for low friction coating materials and processes with high temperature resistance for applications in large scale production for the automotive industry and professional kitchen equipment. The German SME is searching for partners who offer solutions which are already on the market or available as prototype. The SME is seeking technical cooperation agreement or commercial agreements with technical assistance.

Creation Date	22 October 2014
Last Update	17 November 2014
Expiration Date	17 November 2015
Reference	TRDE20141022002

Details

Description

The German SME is active in large scale coating services for the automotive industry and producers of professional kitchenware is searching for Low friction coating materials and procedures for the mentioned applications. The company is searching for products which enable the reduction of friction and hereby reduce the wear. A special challenge for automotive applications is the simultaneous fulfilment of corrosion protection in aggressive environments at high temperatures. The SME is searching for additional solutions to enlarge their product portfolio.
The SME is looking for industrial partners as well as for research institutes which offer technologies which are already on the market or in the prototype phase.
Targeted cooperation forms are technical cooperation agreements or commercial agreements with technical assistance.

Technical Specification or Expertise Sought

Low friction coating materials with a coefficient of friction 0.05-0.10 or better and procedures for applications as automotive industry and producers of professional kitchenware.
A special challenge for automotive applications is the simultaneous fulfilment of corrosion protection in aggressive environments at high temperatures

Keywords

Technology

002002002	Coatings

Market

008001007	Coatings and adhesives manufactures
008001009	Speciality/performance materials: producers and fabricators
008001013	Ceramics

NACE

C.20.3.0	Manufacture of paints, varnishes and similar coatings, printing ink and mastics
C.25.6.1	Treatment and coating of metals

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Certification Standards

ISO 9001:2008
ISO 16949

Langages Spoken

English
German

Client Country

Germany

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Industry, research

- Specific area of activity of the partner: Coatings

- Task to be performed by the partner sought:

Provide suitable materials and processes.

Type of Partnership Considered

Commercial agreement with technical assistance
Technical cooperation agreement