

EPDM hoses transport solar heat

ContiTech solar hoses have a part in transforming solar energy into power and heat and thus reducing greenhouse gases. Embedded in the profile of the solar thermal absorber made by Bemo-Systems, the solar hoses transport the heat transfer medium, i. e. water or glycol mixtures.

The heat transfer medium absorbs solar heat and the heated water is conducted to the consumer or into a buffer. Hoses used in solar thermal systems have to satisfy high demands in terms of resistance to UV, temperature, and chemicals as well as with respect to reliability and durability. The material mix and process technology enable ContiTech to influence hose characteristics like chemical resistance, durability, and ageing. Made of EPDM synthetic rubber, the black, pressure-resistant hoses feature very good ozone, UV and chemical resistance as well as ageing characteristics. Furthermore, they exhibit good low-temperature and thermal resistance and are highly resistant to glycol-based media.

Moreover, ContiTech is also development partner and supplier to companies constructing plants exploiting other types of renewable energy sources such as wind, water, biomass as well as biogas.

Adresse:

<http://www.gupta-verlag.com/rubber/news/technology/8323/epdm-hoses-transport-solar-heat>