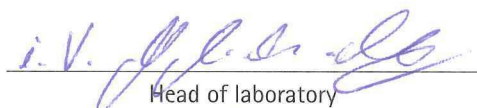


T E S T C E R T I F I C A T E

ST-17-07-24-01

- Products:** Plastic sheets of types EUROPLEX® SDX und EUROPLEX® SDX-F
- Manufacturer:** Evonik Performance Materials GmbH,
Kirschenallee, 64293 Darmstadt
- Order:** Testing of the electrostatic material properties of plastic sheets of the types EUROPLEX®SDX und EUROPLEX®SDX-F for use in explosive areas
- Test methods:** Measurement of the surface resistance and point to point resistance according to IEC 61340-2-3:2016, IEC TS 60079-32-1:2013 and the German TRGS 727:2016 Determination of the electrostatic charging according to IEC TS 60079-32-1:2013 respectively EN ISO 80079-36, appendix D
- Test report:** 2717235 from 24 July 2017 (2714571 from 06.03.2015 und 270046 from 29.03.2010)
- Test results:** On the sheets values for point to point resistance R_{p-p} on either side the samples of $R_{p-p} < 1 * 10^9 \Omega$ were determined. The tested sheets are fulfilled the requirements for EPA-areas according to IEC 61340-5-1 and can be regular used as work surfaces, storage racks, transport systems for ESD sensitive products.
- The tested materials can be characterized as "dissipative" according to IEC TS 60079-32-1 and TRGS 727. They are suitable for prevention of the build-up of electrostatic charges. Because, of their relatively low resistance they must have a safe earth contact.
- The material are considered to be safe concerning electrostatic hazards after the evaluation of the electrostatic chargeability for the intended application in explosion dangerous zones according to IEC TS 60079-32-1 and Technical rules for hazardous substances (TRGS) 727. These materials can be used safely in all explosion groups (I, IIA, IIB, IIC, IIIA, IIIB and IIIC) for authorized use in potentially explosive areas in all zones, provided that reliable earthing of all objects made of these materials is carried out

Dresden, 24 July 2017


Head of laboratory




Engineer in charge