TECHNICAL DATA SHEET

Engineering coating type DR

General notes:

- thermoplastic vulcanizate TPV
- very soft and elastic, good tear resistance
- outstanding abrasion/wear resistance (improved life-time)
- good chemical resistance (oils, grease, fuels, acid, detergents and soaps)
- good hydrolytic resistance (hot water)
- electrically static dissipative, low surface resistivity (10^8-10^9 Ohm), ESD-safe material!
- recommended for use in controlled environments
- ideal for repetitive handling tasks in specimen preparation, electronics, instrumentation, laboratories and forensics. Especially useful for handling ESD sensitive components or small static items

Mechanical properties

Hardness, Shore A	**36**	
Tensile Strength	**20.3 kg/cm2**	*ASTM 412C, 23°C*
Tear Strength	**12.1 kg/cm**	*ASTM 624C, 23°C*
Elongation at break	**452.5 %**	*ASTM 412C, 23°C*
Melt Flow Index	**42E g/10min**	*ASTM D1238, 23°C*

Melt Flow Index:
B: **125°C/2.16kg** C: **150°C/2.16kg** E: **190°C/2.16kg** G: **200°C/5kg**

Thermal properties

Continuous Use Temperature	**50° C**	*96 h*
Short Time Temperature	**50° C**	*36 h*

Electrical properties

Surface Resistivity	**10^8-10^9 Ohm**	*ICE60093*

Other properties

Density	**0.9 g/cm3**	*ASTM D792*

Thisdocumentcontainsinformationbasedonaveragevaluesasobtainedfromtheresultsoflaboratorytestsandobservationsmadeonthematerial.
Ideal-tekSAdeclinesallresponsibilityfromanimproperuseoftheproductdescribedinthisdocument.