

**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	<b>36</b>	
Tensile Strength	<b>20.3 kg/cm<sup>2</sup></b>	ASTM 412C, 23°C
Tear Strength	<b>12.1 kg/cm</b>	ASTM 624C, 23°C
Elongation at break	<b>452.5 %</b>	ASTM 412C, 23°C
Melt Flow Index	<b>42E g/10min</b>	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	<b>50° C</b>	96 h
Short Time Temperature	<b>50° C</b>	36 h

## Electrical properties

Surface Resistivity	<b><math>10^8</math>-<math>10^9</math> Ohm</b>	ICE60093
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## Other properties

Density	<b>0.9 g/cm<sup>3</sup></b>	ASTM D792
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