Product Datasheet – Protective Profile 8 ESD

Article

Art.-No.	Article	Dimensions	Colour
0.0.686.88	Protective Profile 8 40x16 ESD	1 piece à 2000 mm	black similar to RAL 9005
0.0.686.90	Protective Profile 8 40x16 R16 ESD	1 piece à 2000 mm	black similar to RAL 9005

General Properties

Properties	Unit	Value	Standard
Material	-	Thermoplastic elastomer (TPE)	-
Specific gravity	g/cm^3	1,06	ISO 1183
Water absorption at saturation, 23 °C	%	0,8	ISO 62
Water absorption, 23 °C/50 % RH	%	0,2	ISO 62
Mould shrinkage (Flow direction, 3 mm)	%	1 - 2	ISO 2577

Mechanical Properties

Properties	Unit	Value	Standard
Tensile strength	MPa	5	ISO 37
Breaking strain	%	400	ISO 37
Bending strength	MPa	-	ISO 178
Bending modulus of elasticity	GPa	-	ISO 178
IZOD Impact strength, notched	kJ/m^2	No breakage	ISO 180/1eA
IZOD Impact strength, unnotched	kJ/m^2	No breakage	ISO 180/1eU

Thermal Properties

Properties	Unit	Value	Standard
Linear thermal expansion coefficient	$10^{-6} \times K^{-1}$	-	DIN 11359

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Electrical Properties*

Properties	Unit	Limit Value Standard	Limit Value Check	Standard
Leakage resistance	Ω	< $1x10^9$	< $1x10^9$	IEC/DIN EN 61340-5-1:2016
Surface resistance	Ω	< $1x10^9$	< $1x10^9$	IEC/DIN EN 61340-5-1:2016
Contact resistance	Ω	< $1x10^9$	< $1x10^9$	IEC/DIN EN 61340-5-1:2016

* Typical resistance values at corresponding ambient temperature (measuring voltage: 100 V =)
Depending on functionality and geometric dimensions, not all measured values may be relevant.
The relative humidity during the tests of all products was 10 - 65 % due to the local conditions.
Ambient temperature 23°C ± 2°C

Flame Characteristics

Properties	Unit	Value	Standard
Flame Characteristics	-	HB @ 3,0 mm	ISO 1210
UL-Listing	-	-	UL94

Handling and Storage

Properties	
Handling	The product can be machined with standard machines and tools.
Storage Recommendation	Horizontal, dry, protected from the weather.

Disposal

In principle, the country-specific laws and regulations concerning disposal must be observed.
Thermal utilisation is preferable to landfill disposal. Disposal of the ash resulting from thermal utilisation at regulated commercial waste disposal sites is unproblematic.

Cleaning

Clean surface with warm water and soft cloth or soft sponge. For heavier soiling, additionally use a non-abrasive soap solution. Carefully test the cleaning agent on an inconspicuous area before use. Finally, rinse with clean warm water and dry with absorbent cloth.

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Desinfection

The country-specific laws and regulations relating to disinfection must always be observed.
Ethanol, propanol and isopropyl alcohol (also known as isopropanol) are alcohols and have a disinfectant effect. They damage the envelope of bacteria, fungi and viruses and thus kill them. Isopropanol is a highly concentrated alcohol and is often used as a substitute for ethanol. It has a wide range of applications, but care should be taken when using it. Isopropanol, also known as isopropyl alcohol and 2-propanol, is a secondary alcohol.
The duration of contact should be limited to the minimum necessary. Test in an inconspicuous place before use.

REACH, RoHS

Properties	
Compliance with the regulation (EC) No. 1907/2006 (REACH)	conform
Compliance with the regulation 2011/65/EU (RoHS) incl. EU 2015/863	conform
Silicone	Silicone is not relevant for manufacturing, but minimal contact with lubricants or cleaning agents containing silicone cannot be completely ruled out during the handling and production of our products.

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