ABS ESD

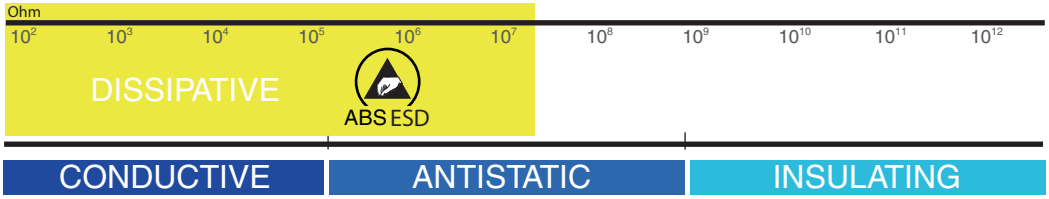
TECHNICAL DATA SHEET VERSION 1.1

ABS ESD ANTISTATIC

Is a filament designed to protect elements sensitive to electrostatic current discharges. The incorporation of conductive additives avoids the accumulation of static in the piece, acting as a protective element in electronic components very sensitive to this type of discharges. The same fact that does not load static, avoids attracting dust particles, so it is also indicated in those places where it is required to have a clean environment.

Reciclable
Recyclable
Recyclable

ELECTRICAL CLASSIFICATION OF MATERIALS



	TIPICAL VALUE	UNITS	TEST METHOD
PHYSICAL PROPERTIES			
Chemical Name	Acrylonitrile Styrene Butadiene		
Material Density	1.13	g/cm^3	ISO 1183
MECHANICAL PROPERTIES			
Charpy Impact Strength 1eU	36	kJ/m^2	ISO 179/1eU
Tensile elongation at break	2.7	%	ISO 527
Tensile Modulus	2460	MPa	ISO 527
Tensile Stress at break	29	MPa	ISO 527
THERMAL PROPERTIES			
Heat Deflection Temperature (HDT-A)	74	°C	ISO 75-1/2
Vicat Softering Temperature B50	91	°C	ISO 306
ELECTRICAL PROPERTIES			
Surface resistance max.*	1000	Ohm	IEC 60093
* Values obtained under tests on specimens obtained by injection			
PRINTING PROPERTIES			
Print Temperature	265-285	°C	
Hot Pad	100-110	°C	
Fan Layer	OFF	%	

SIZE	NET W.	GROSS W.	DIAMETERS	COLOR	PACKAGING
M	750 g	975 g	1.75 mm/2.85 mm	Natural	SmartBag, security seal, desiccant bag

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USE RECOMENDATIONS

USE A SUITABLE DEVICE FOR PRINTING

To achieve a good adhesion between layers and maintain good properties it is necessary to use a completely closed printer that reaches the recommended temperature. Please make sure that your device meets these features.

KEEP THE EXTRUDER IN GOOD CONDITION

Due to the composition of the material the cleaning of the nozzle can be complicated. To carry out this cleaning it is recommended to put the printer at the same temperature print the material and use Smartfil Clean to clean it. The use of an exclusive nozzle for this material facilitates this task.