

RUBBER HS Technical Data sheet

DESCRIPTION

Rubber HS is a high-quality elastomer supplied as a 3D filament, with optimal flexural properties, great tensile strength and high-level aesthetic results.

An ideal material for all industrial and design sectors which need a material that combines optimally flexibility, resistance and aesthetic quality.

PRINTING MODES

- Extruder Temperature: 230°-250°
- Bed Printing Temperature: 50°

APPLICATIONS

Rubber HS is a thermoplastic filament especially suitable 3D Printing Prototyping Technologies FFF (Fused Filament Fabrication).

Rubber HS may come in contact with food, having been successfully tested according to Regulation 10/2011 / EU (on plastic materials and articles intended to come into contact with food).

Following are tests carried out to proof the features and properties of the material:

Property Test Condition	Standard	Unit	Values
Mechanical Properties			
Tensile strength, at break	ASTM D 638	MPa	16
Elongation at break	ASTM D 638	%	800
Flexural Modulus	ASTM D 790	MPa	35
Shore D hardness 15"	ASTM D 2240	Point	30
Thermal Properties			
Vicat Method A softening temperature	ASTM D 1525	°C	77
Other Properties			
Density (specific gravity)	ISO 1183	g/cm ³	1,05

SUPPLY FORM

The Rubber HS as Filaments with diameter of 1,75 mm, enveloped in a spool of 1 Kg.

It's available in colour: Natural, Green, Blue.

It is provided with **anti-bacterial to allow the use in contact with food**.

It has to be kept in its original packaging. Avoid direct exposure to sunlight.

Olivetti S.p.A.

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