

Technical data sheet (ABS)

Co-Polymer Polylac ABS

Description

Acrylonitrile-Butadiene-Styrene (ABS) co-polymer is a high-strength, high heat and very high impact resistant material.

Material Properties

Density	1.04 g/cm ³ ISO 1183
Chemical Name	Acrylonitrile-Butadiene-Styrene co-polymer

Print Settings

Nozzle temperature	235 - 260°C
Bed temperature	90 - 120°C
Active cooling fan	0%

Mechanical Properties

Charpy Impact Strength	39 kJ/m ² at 23°C	ISO 179
Tensile strength yield	41 MPa	ISO 527
Tensile strength break	30 MPa	ISO 527
Elongation @ break	40%	ISO 527

Filament Specification

Diameter	1.75 mm & 2.85 mm
Tolerance	± 0.05

Storage & Handling

During storage, the product may acquire humidity if exposed to fresh air. The humidity it absorbs depends on the temperature, humidity, and time of exposure. Therefore, it should be stored in its packaging in a cool place and kept at temperatures below 50°C. No special restrictions on storage with other products.

Expiration Date (Shelf Life)

If stored correctly and in its original packaging, the product can be used up until 24 months after opening. If the product is stored in a package that has been exposed to humidity during an extended amount of time, it could deteriorate and lose its mechanical and physical properties, even after drying.

Security

This product is not classified as dangerous according to the CE Regulation No 1272/2008, and therefore is not subject to special transport regulations. This product does not melt at room temperature.

Suitable for food contact	No
Suitable for Toys	No
Suitable for packaging	No

****Disclaimer:** The product and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.