



Technical Data Sheet

3DLite® 322-BC Black

Flexible and Soft Elastomer 3D Print Resin (DLP)

DESCRIPTION

3DLite® 322-BC Black is an easy to print elastomer material that does not require a thermal post-cure. 322-BC Black delivers best-in-class flexibility and softness with biocompatibility. Uniquely formulated for high performance applications where complex geometry and smooth surface finish is required.

FEATURES

- Flexible Elastomer that are production quality.
- Biocompatibility Certified for extended skin contact (ISO10994-3-5).
- Extremely smooth surface with minimal post processing.
- Excellent product durability and stability.
- No additional thermal curing/post-processing required.

RESIN PROPERTIES

3DLite® 322-BC	METRIC	METHOD
Tensile Strength	3.0 MPa	ASTM D412
Tensile Modulus	1.5 MPa	ASTM D412
Elongation	205 %	ASTM D412
Tear Strength	7.0 kN/m	ASTM D624-C
Shore A Hardness	60	ASTM D2240
Glass Transition Temperature	- 58°C	DSC
Compression set 72 hrs. @23°C	2.3%	ASTM D395-B
Compression set 73 hrs. @70°C	1.1%	ASTM D395-B
Rebound Resilience 16" Drop height	13%	ASTM D2632
Viscosity	3150 cP	Brookfield Viscometer @ 25 °C
Specific Gravity	1.03 g/cm ³	ASTM D792

1. Material properties can vary with part geometry, print orientation, print settings and temperature.
2. Data was obtained from parts printed using B9Creations B9 Core 550 (b9c.com), washed in IPA for 20 minutes and post-cured with B9 Model Cure at room temperature for 10 minutes on both sides of the parts.

To the best of our knowledge the information contained herein is accurate. However, SDC Technologies, Inc. makes no warranty, expressed or implied, regarding the accuracy of these results to be obtained from the use thereof.



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STORAGE AND USE

Store 322-BC Black in closed, properly labeled containers. Do not store in colorless glass containers or other containers that transmit UV light. Do not pad containers or pressurized vessels using nitrogen. Use of nitrogen may cause premature gelling. Avoid sunlight and other sources of UV light. Store at ambient temperatures less than 75°F/24°C. When stored at this temperature in the original closed container, it is recommended to use within 12 months from date of manufacture. Keep away from ignition sources.

HEALTH AND SAFETY INFORMATION

Before using this product, read and understand the Safety Data Sheet, SDS, which provides information on health, physical, and environmental hazards, handling precautions and first aid recommendations. For a copy of an SDS, contact a sales or customer service representative.

WARRANTY AND LIABILITY LIMITATIONS

Information contained herein is accurate to the best of our knowledge. The coating solution properties and cured coating properties listed herein represent typical values for 322-BC Black and are not meant as specifications. SDC Technologies, Inc. insists that users conduct their own tests for applicability and fitness for any purpose. Statements concerning use of products or formulations described herein shall not be construed as a warranty or license to infringe any patent or trademark, and no liability for infringement arising out of such use is assumed. Please refer to SDC Technologies' Standard Terms and Conditions or to your Purchase Agreement with SDC for the warranty coverage of SDC's product.

PRODUCT SHIPPING AND AVAILABILITY

Typical lead-time for shipment is four (4) weeks from confirmation of a purchase order. SDC provides several shipping options. Please contact an SDC representative to determine which option best fits your needs.

ISO 9001:2015 and ISO 14001:2015 Certified