MATERIAL DATA SHEET

LuxCreo

Gingival Mask

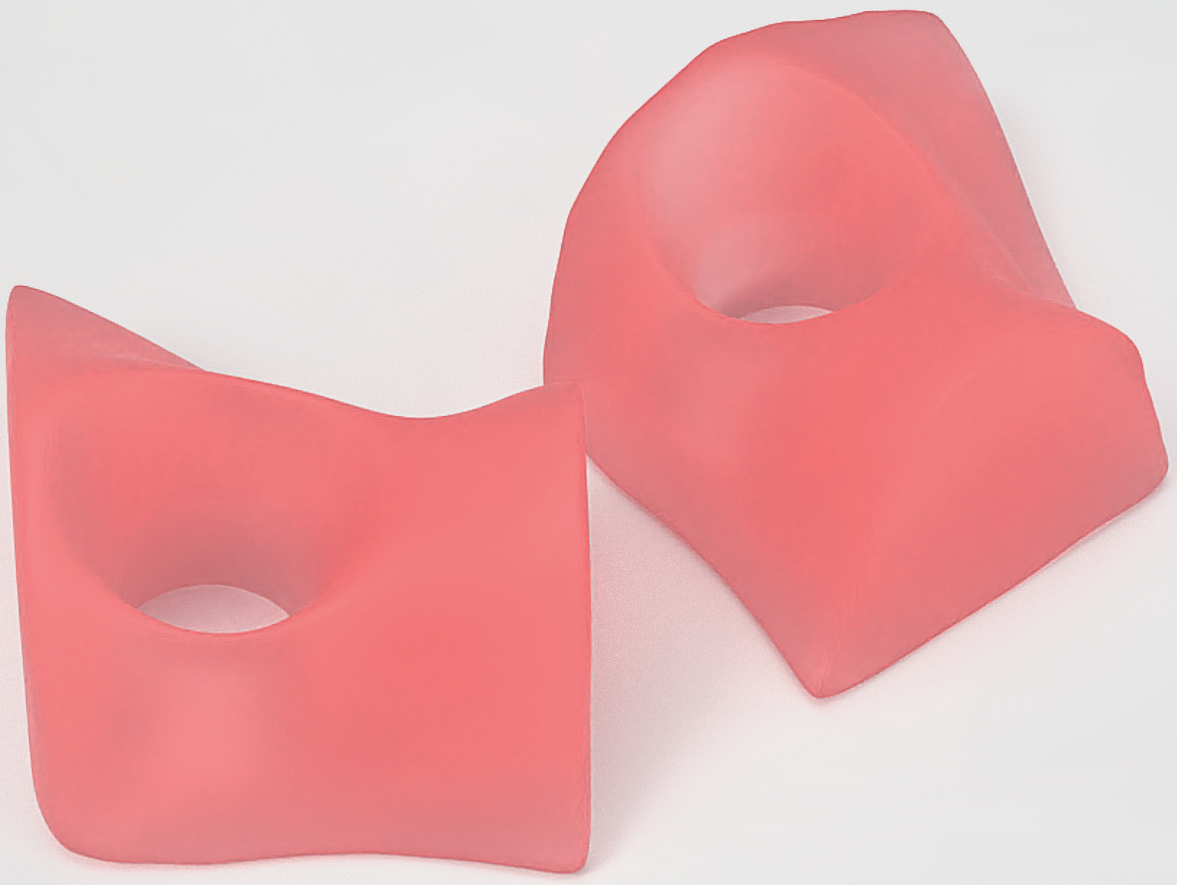
Dental Gingival Mask for High-Accuracy and Flexibility

DGM has been engineered to mimic the appearance and texture of gum tissue. Possessing high accuracy, flexibility, and low shrinkage, DGM is ideal for precise dental restorations. It can also be used in combination with other materials to provide flexibility in dental models.

Strong

Flexible

Fine Surface



DGM02

US : 940 Old County Rd, Belmont, CA, 94002, U.S.

CN : Room1017, Building S5, Jinyu Smart Factory, Building Material City Mid Road No.28, Haidian District, Beijing.

DGM

Luxcreo's DGM is a light-curing resin for the 3D printing of orthodontic gingival masks for use with DLP/LCD/SLA printers (385-405nm).

Composition: methacrylate, photo-initiator, inhibitor, and pigment

	Procedure	Metric
Flexural Properties		
Flexural Strength	ASTM 790	40 MPa
Flexural Modulus	ASTM 790	1300 Mpa
Tensile Properties		
Tensile Strength	ASTM D638	30 Mpa
Elongation at Break	ASTM D638	16%
General Properties		
Hardness	Shore D	85D
Viscosity @ 25°C (cPS)	ASTM 7867	200 Cp

These data were determined in accordance with ISO and ASTM standards and are pursuant to LuxCreo Quality System. This document is valid without signature.

These data are typical values and were determined through testing on DLP printers which are validated for use with LuxCreo's products. Mechanical properties will vary based on machine, part orientation, machine type, machine power, post curing of the printed parts, and cleaning. See product guide for post-processing procedure and best practices. Improper use or failure to adhere to the product guide may result in variations of color and mechanical properties. This product is suitable for the manufacturing of gingival masks. LuxCreo reserves the right to change material characteristics, and formulation without prior notification.