

Food and Drug Compliant Polyurethane Material Medical Grade

Food and Drug Grade Polymers have been specifically designed for food and drug applications. All of the products in the FDGP Series exhibit unique physical and chemical properties, are manufactured with FDA approved material, and have been used in countless applications where FDA approval is required. FDGP Series fills the high current demand for products that are used in food and drug applications.

- FOOD & DRUG GRADE LIQUID MOLDING POLYMER

KEY ADVANTAGES:

- · Manufactured using FDA approved materials
- · Passes cytotoxicity testing
- · Passes extractable testing for USP Class 6
- · Very high physical properties
- · ROHS compliant
- · Moisture insensitive
- · Easy to use

The food, drug, pharmaceutical, wine, beer, juice, dairy, hospital equipment, and prosthetic industries are just some examples of applications that require special products such as **FDGP**.

The manufacturer of these materials places extreme emphasis not only on the physical properties of **FDGP**, but also on cytotoxicity studies, extraction testing, FDA acceptability, and USP Class 6 testing.

There are two **FDGP** Series:

FDGP Elastomeric Series

various hardness elastomers, shore 20A - 72D

- · *clear in color*

FDGP Rigid Series

- · *Rigid, tough polymer alloy plastics*
- · *high heat distortion*
- · *high physical properties*

Hardness Scale	Test Method	Hardness Shore
A Scale	ASTM D-2240	20 A +/- 5, 35 A +/- 5, 55 A +/- 5, 65A, 80A, 90 A
D Scale	ASTM D-2240	65 D +/- 5, 72 D, 76 D, 77 D, 80 D +/- 3, 85 D,