

## TECHNICAL DATA

The GM3 range of materials is particularly suited to fast machining in high volumes. Lenses manufactured in GM3 are durable, resilient to protein build-up and can be used for a variety of wearing regimens with enhanced water retention due to the glycerol methacrylate component.

**Please Note:** Regulatory requirements and standards vary from country to country, and are constantly evolving. As a global company we want to be sure we provide you with detailed technical information, specific to your market, where appropriate, rather than using the condensed and simplified technical information on the website. If you need to use technical data for quality paperwork, or for a regulatory submission, please contact your account manager to obtain this precise and detailed information to support your regulatory requirements, we will be happy to help.

### Material Characteristics

| PROPERTY                                   | 49%                 | 58%                 | 58% FDA                  |
|--|---------------------|---------------------|--------------------------|
| Oxygen Permeability (ISO) at 35°C (Barrer) | 16                  | 26                  | 24                       |
| Water Content at 20°C by Weight (%)        | 49                  | 58                  | 58                       |
| Swell Factor at 20°C                       | 1.28                | 1.36                | 1.36                     |
| Refractive Index at 20°C - Hydrated        | 1.42                | 1.40                | 1.40                     |
| Refractive Index at 20°C - Dry             | 1.52                | 1.52                | 1.52                     |
| Modulus - Elasticity (MPa)                 | 0.43                | 0.38                | 0.38                     |
| Tensile Strength (MPa)                     | 0.56                | 0.98                | 0.68                     |
| Elongation to Break (%)                    | 212                 | 272                 | 243                      |
| UV Blocker                                 | Standard            | Standard            | Not Available            |
| Classification (ANSI)                      | Filcon I 2          | Filcon II 2         | Acofilcon A II 2         |
| Classification (ISO)                       | Filcon 1 (16) [49%] | Filcon 2 (26) [58%] | Acofilcon A 2 (26) [58%] |
| USAN                                       | N/A                 | N/A                 | Acofilcon A              |

**Please note:** Some values may have been rounded for presentation purposes. Please contact your account manager for further details.

### Manufacturing Consumables

|                             |                                |
|-----------------------------|--------------------------------|
| High Melt Blocking Wax      | Delrin Polishing Cup           |
| Blocking Kemdent Sticky Wax | Delrin Polishing Sponge        |
| Contapol 1 Polish           | Grey Roller Sponge             |
| Contapol 2 Polish           | Brushed Cotton Polishing Cloth |

### Accessories

|                         |                               |
|-------------------------|-------------------------------|
| Tweezers                | Flip Tear Up Seal             |
| Glass Vial              | Double Soft Lens Mailers      |
| Siloprene Bung          | DMV Soft Lens Handler/Remover |
| Tear Off Aluminium Seal |                               |

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