

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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