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Technical Information: Borosilicate Glass Properties

Unless otherwise specified all Wilma-LabGlass technical glassware meets ASTM specification E438 for Type 1, Class A Borosilicate Glass. Glassware is manufactured from PYREX® Glass Code 7740 or equivalent.

Major Physical Characteristics	Type 1, Class A	PYREX®
Linear Coefficient of Expansion	32-33 x 10 ⁻⁷ cm/cm°C	32.5 x 10 ⁻⁷ cm/cm°C
Strain Point		510°C
Annealing Point	560°C±10°C	560°C
Softening Point	815-820°C±10°C	821°C
Density, Annealed	2.23-2.24±0.02g/cm ³	2.23g/cm ³
Refractive Index		1.474 @ Sodium D Line
Temperature Limits		490°C / 230°C**
Maximum Thermal Shock		160°C

** Extreme Service / Normal Service

Chemical Compound	Type 1, Class A	PYREX®
SiO ₂	81%	80.6%
B ₂ O ₃	13%	13.0%
Na ₂ O	4%	4.0%
Al ₂ O ₃	2%	2.3%

Wilma-LabGlass

Genevac

Hotpack

Hull

FTS

VirTis

SP Service

Divisions of SP Industries