ST. MARYS CARBON
Creating Viable Solutions

HOT GLASS HANDLING

Description

St. Marys Carbon custom manufactures a large variety of carbon graphite, electrographite and resin-bonded graphite grades for a wide range of glass handling applications. These grades are compatible with various glass types, including borosilicate, soda-lime and quartz. All of our products, from the blending of raw materials to the finished product, are made in-house by our specialized craftsmen.

** St. Marys Carbon is a custom solution provider. No matter your application or product needs, contact us and we **will** find a solution.*

Features & Benefits

- **High Temperature:** Maintains stability at high temperatures to prevent decomposition.
- **Low Maintenance:** Will not wet, mark, adhere to or stain glassware to maintain glass quality during the manufacturing process.
- **Non-Checking:** Will not check the glass during manufacturing due to the superior wear characteristics of our grades.
- **Food / Medical / Environmentally Safe:** Allows for use in contamination-free environments due to its self-lubricating properties.

Typical Applications

- **Glass Bottles / Containers**
- **Glass Test Tubes / Medical Equipment**
- **Electronic Glass Components**
- **Transportation Glass Components (e.g., Automotive, Aviation)**

Key Markets - Aerospace, Automotive, Electronics, Food & Beverage, Industrial, Medical, Pharmaceutical

Specifications - Below are St. Marys Carbon's top recommended grades, which are produced in-house.

Properties English Units

Grade	Density (lbs./ft.^{3})	Flexural Strength (psi)	Compressive Strength (psi)	Coefficient of Thermal Expansion (µ/°F)	Temperature Limit Neutral (°F)	Temperature Limit Oxidizing (°F)	Scleroscope Hardness	Applications
205	107.95	7,000	15,500	2.4	5,000	850	65	Glass Handling
205AH	110.45	8,500	15,500	2.3	1,500	1,100	75	Glass Handling
231	110.45	6,500	14,000	2.5	5,000	800	50	Glass Handling
261	99.84	6,000	30,000	N/A	1,500	700	85	Glass Handling
245	113.00	8,000	16,000	2.3	5,000	850	80	Glass Handling
75	106.08	8,100	21,500	2.8	3,000	750	80	Glass Handling

Quality Since 1939

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