



MORGAN MATERIALS

INCORPORATED

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Untreated Fumed Silica

Product: 750-D

Typical Properties:

Boiling Point	2230 C
Melting Point	1700 C
Tamped Density	115 g/l
Surface Area	255 m ² /g

All untreated fumed silicas are characterized by:

750-D is a medium-high surface area fumed silica which imparts significant increase in viscosity and reinforcement sealants and rubbers. The bulk density of **750-D** has been mechanically increased for faster incorporation and ease of handling.

- High purity
- Aggregated structure
- Submicron particle size
- Low bulk density
- Hydrophilic surface

Application Information:

750-D is widely used to reinforce silicone rubbers. Use of a denser, higher bulk density silica such as **750-D** requires very high shear dispersion equipment to achieve adequate dispersion of the silica. The higher bulk density of **750-D** facilitates faster wet-in or incorporation into these viscous polymer systems.

Silicone Rubbers:

750-D is commonly used for reinforcement of HTV/HCR and liquid silicone rubber (LSR). It imparts significant increase in hardness, tensile and elongation. Because of the hydrophilic surface of untreated fumed silicas, further modification of the silica surface is necessary to prevent crepe hardening.

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