SPECIFICATION

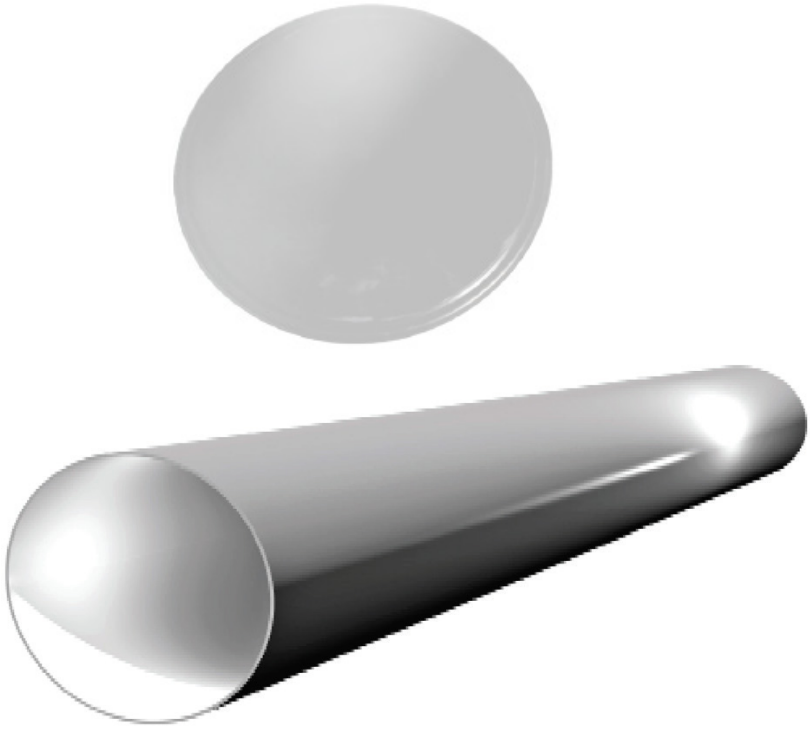
Silicone Membrane Material

Polymer for Specialty Applications

Material Features

- High temperature resistance up to 350 °F (177 °C)
- Excellent uniformity and distribution of released air bubbles
- Formulated for application specific condition
- Good chemical compatibility in most municipal and industrial application
- Available for tube and disc diffusers
- UV protection inherent in the compound
- Low dynamic wet pressure (DWP)

Note: Not recommended for some ON/OFF applications



DISC Silicone Material Property Tests

	Metric	English
Hardness Shore A (ASTM D2240)	60 +/-5	60 +/-5
Specific Gravity, (ASTM D792)	<1.25	<1.25
Tensile Strength, psi, (ASTM D412)	>9.0 MPa	>1300 psi
Tensile Modulus, @100% elongation, (ASTM D412)	2.69 +/- 0.28 MPa	390 +/-40 psi
Ultimate Elongation, (ASTM D412)	>400%	>400%
Tear Strength, Die T, (ASTM D624)	>10.5 kN/m	>60 lb_f/in
Surface Ozone Cracking Resistance @50 ppm (ASTM D471)	Non Cracking	Non Cracking
Low Temperature @ -40°C (ASTM D2137)	Non Brittle	Non Brittle

TUBE Silicone Material Property Tests

	Metric	English
Hardness Shore A (ASTM D2240)	58 +/- 5	58 +/-5
Specific Gravity, (ASTM D792)	<1.20	<1.20
Tensile Strength, psi, (ASTM D412)	>7.9 MPa	>1150 psi
Tensile Modulus, @100% elongation, (ASTM D412)	1.38 +/- 0.34 MPa	200 +/-50 psi
Ultimate Elongation, (ASTM D412)	>600%	>600%
Tear Strength, Die T, (ASTM D624)	>12 kN/m	>70 lb_f/in
Surface Ozone Cracking Resistance @50 ppm (ASTM D471)	Non Cracking	Non Cracking
Low Temperature @ -40°C (ASTM D2137)	Non Brittle	Non Brittle

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