

PROPERTY	EPDM	TEFLON	BUNA-N	VITON	SILICONE
	40MP-E	40MP-G	40MP-U	40MP-V	40MP-X
Temperature range	-55°C to 150°C	-25°C to 250°C	-40°C to 107°C	-30°C to 250°C	-90°C to 200°C
Acid Resistance	Good-Excellent	Excellent	Good	Good	Good
Alkali Resistance	Good-Excellent	Excellent	Fair-Good	Poor-Good	Poor-Fair
Petroleum Oil Resistance	Poor	Excellent	Excellent	Excellent	Good
Vegetable Oil Resistance	Good (Most)	Excellent	Good	Excellent	Good
Abrasion Resistance	Good-Excellent	Excellent	Good	Good	Good-Excellent
Compression Set: Steam Sterillisation	Good	Cold Flows	Good	Good-Excellent	Good-Excellent

AVAILABLE SEAL MATERIAL

Buna-N (Black or White)

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| <ul style="list-style-type: none"> - Least expensive elastomer gasket - Nitrile compound is very elastic making for a leak proof connection - Good chemical resistance for use with petroleum solvents, alcohol etc. | <ul style="list-style-type: none"> - 3A qualified - Meets 21CFR 177.2600 - Useful temperature range from (-40°F to 224.6°F) or (-40°C to 107°C) |
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Teflon (PTFE)

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| <ul style="list-style-type: none"> - 3A qualified - Commonly used for food and pharmaceutical applications - Excellent chemical resistance - Not suitable for great temperature fluctuations, - Teflon tends to cold flow and will not return to its original shape. | <ul style="list-style-type: none"> - Meets 21CFR 177.2600 - Passes cytotoxicity testing - Pharmaceutical Class VI approved - Useful temperature range from (-22°F to 482°F) or (-30°C to 250°C) |
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Silicone (Platinum cured)

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| <ul style="list-style-type: none"> - 3A qualified - Meets 21CFR 177.2600 - Passes cytotoxicity testing | <ul style="list-style-type: none"> - Pharmaceutical Class VI approved - Useful temperature range from (-130°F to 392°F) or (-90°C to 200°C) |
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Silicone (Peroxide cured)

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| <ul style="list-style-type: none"> - 3A qualified - Meets 21CFR 177.2600 - Passes cytotoxicity testing | <ul style="list-style-type: none"> - Pharmaceutical Class VI approved - Useful temperature range from (-130°F to 392°F) or (-90°C to 200°C) |
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Viton (Flourel)

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| <ul style="list-style-type: none"> - 3A qualified - Meets 21CFR 177.2600 - Passes cytotoxicity testing | <ul style="list-style-type: none"> - Pharmaceutical Class VI approved - Useful temperature range from (-22°F to 482°F) or (-30°C to 250°C) |
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EPDM

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| <ul style="list-style-type: none"> - 3A qualified - Meets 21CFR 177.2600 - Passes cytotoxicity testing | <ul style="list-style-type: none"> - Pharmaceutical Class VI approved - Useful temperature range from (-67°F to 302°F) or (-55°C to 150°C) |
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Tef Steel

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| <ul style="list-style-type: none"> - Does not cold flow (creep), retains shape and seal properties - Excellent chemical resistance - Steam resistance - Minimal thermal expansion - Teflon & PM316L | <ul style="list-style-type: none"> - 3A qualified - Meets 21CFR 177.2600 - Passes cytotoxicity testing - Pharmaceutical Class VI approved - Useful temperature range from (-110°F to 400°F) or (-79°C to 204°C) |
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