

## CLAMP GASKET MATERIAL PROPERTIES

PROPERTY	EPDM 40MP-E	TEFLON 40MP-G	BUNA-N 40MP-U	VITON 40MP-V	SILICONE 40MP-X	GYLON
Temperature range	-55°F to 275°F	-40°F to 450°F	-40°F to 225°F	-20°F to 400°F	-80°F to 450°F	-268°C TO 260°C
Acid Resistance	Good-Excellent	Excellent	Good	Good	Good	TBA
Alkali Resistance	Good-Excellent	Excellent	Fair-Good	Poor-Good	Poor-Fair	TBA
Petroleum Oil Resistance	Poor	Excellent	Excellent	Excellent	Good	TBA
Vegetable Oil Resistance	Good	Excellent	Good	Excellent	Good	TBA
Abrasion Resistance	Good-Excellent	Excellent	Good	Good	Good-Excellent	TBA
Compression Set	Fair	Cold Flows	Good	Good-Excellent	Good-Excellent	TBA

AVAILABLE GASKET MATERIAL	
BUNA - N (BLACK OR WHITE)	
<ul style="list-style-type: none"> <li>Least expensive elastomer gasket</li> <li>Nitrile compound is very elastic making for a leak proof connection</li> <li>Good chemical resistance for use with petroleum solvents, alcohol etc.</li> </ul>	<ul style="list-style-type: none"> <li>3A qualified</li> <li>Meets 21CFR 177.2600</li> <li>Useful temperature range from (-40°F to 225°F) or (-40°C to 107°C)</li> </ul>
TEFLON (PTFE)	
<ul style="list-style-type: none"> <li>Commonly used for food and pharmaceutical applications</li> <li>Excellent chemical resistance</li> <li>Not suitable for great temperature fluctuations, Teflon tends to cold flow and will not return to its original shape.</li> </ul>	<ul style="list-style-type: none"> <li>3A qualified</li> <li>Meets 21CFR 177.2600</li> <li>Passes cytotoxicity testing</li> <li>Pharmaceutical Class VI approved</li> <li>Useful temperature range from (-110°F to 400°F) or (-79°C to 204°C)</li> </ul>
SILICONE (PLATINUM CURED)	
<ul style="list-style-type: none"> <li>3A qualified</li> <li>Meets 21CFR 177.2600</li> <li>Passes cytotoxicity testing</li> </ul>	<ul style="list-style-type: none"> <li>Pharmaceutical Class VI approved</li> <li>Useful temperature range from (-20°F to 450°F) or (-29°C to 232°C)</li> </ul>
SILICONE (PEROXIDE CURED)	
<ul style="list-style-type: none"> <li>3A qualified</li> <li>Meets 21CFR 177.2600</li> <li>Passes cytotoxicity testing</li> </ul>	<ul style="list-style-type: none"> <li>Pharmaceutical Class VI approved</li> <li>Useful temperature range from (-20°F to 450°F) or (-29°C to 232°C)</li> </ul>
VITON (FLOUREL)	
<ul style="list-style-type: none"> <li>3A qualified</li> <li>Meets 21CFR 177.2600</li> <li>Passes cytotoxicity testing</li> </ul>	<ul style="list-style-type: none"> <li>Pharmaceutical Class VI approved</li> <li>Useful temperature range from (-20°F to 450°F) or (-29°C to 232°C)</li> </ul>
EPDM	
<ul style="list-style-type: none"> <li>3A qualified</li> <li>Meets 21CFR 177.2600</li> <li>Passes cytotoxicity testing</li> </ul>	<ul style="list-style-type: none"> <li>Pharmaceutical Class VI approved</li> <li>Useful temperature range from (-55°F to 275°F) or (-48°C to 135°C)</li> </ul>
TEF STEEL	
<ul style="list-style-type: none"> <li>Does not cold flow (creep), retains shape and seal properties</li> <li>Excellent chemical resistance</li> <li>Steam resistance</li> <li>Minimal thermal expansion</li> <li>Teflon &amp; PM316L</li> </ul>	<ul style="list-style-type: none"> <li>3A qualified</li> <li>Meets 21CFR 177.2600</li> <li>Passes cytotoxicity testing</li> <li>Pharmaceutical Class VI approved</li> <li>Useful temperature range from (-110°F to 400°F) or (-79°C to 204°C)</li> </ul>
GYLON BIO PRO	
<ul style="list-style-type: none"> <li>Creep Relaxation 40%</li> <li>Compression range 25% - 40%</li> <li>Recovery ( before pre-stressing) 30%</li> <li>Pressure rating 1200 psi (83 bar)</li> <li>Flammability will not support flame</li> <li>Bacterial growth will not support</li> </ul>	<ul style="list-style-type: none"> <li>Meets FDA regulations 21CFR177.1550</li> <li>Pharmaceutical Class VI approved</li> <li>Bam approved</li> <li>TUV certified</li> <li>Temp Range -268°C to 260°C</li> <li>ASME BPE 2001 compliant</li> </ul>