

## TRI-CLAMP GASKET MATERIAL CHEMICAL COMPATIBILITY

PROPERTY	EPDM	SILICONE	VITON	PTFE	PEEK	TFM
Tensile Strength	Good/Excellent	Good	Good/Excellent	Excellent	Excellent	Excellent
Electrical Properties	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Weather Resistance	Excellent	Excellent	Good	Excellent	Excellent	Excellent
Ozone Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Heat Resistance	Excellent 150°C	Excellent 200°C	Excellent 250°C	Excellent 250°C	Excellent 250°C	Excellent 260°C
Cold Resistance	Good/Excellent (-50°C)	Excellent (-90°C)	Good (-30°C)	Failed (-25°C)	Excellent (-250°C)	Excellent (-200°C)
Steam Resistance	Good	Good	Good	Excellent	Excellent	Excellent
Tear Resistance	Good	Excellent	Fair	Excellent	Excellent	Excellent
Abrasion Resistance	Good/Excellent	Good/Excellent	Good	Excellent	Excellent	Excellent
Acid Resistance	Good/Excellent	Good	Good	Excellent	Un-Rivalled Excellence	Excellent
Petroleum Oil Resistance	Poor	Good	Excellent	Excellent	Excellent	Excellent
Flame Resistance	Poor	Poor	Good	Excellent	Excellent	Excellent
Vegetable Oil Resistance	Good (most)	Good (intermittent)	Excellent	Excellent	Excellent	Excellent
Ozone Sunlight Service Temp.	Excellent 150°C	Excellent 145°C	Excellent 150°C	Excellent 250°C	Excellent 250°C	Excellent 260°C
CompressionSet Steam Sterilisation	Good	Excellent 121°C-140°C	Good	Cold	Excellent	Cold