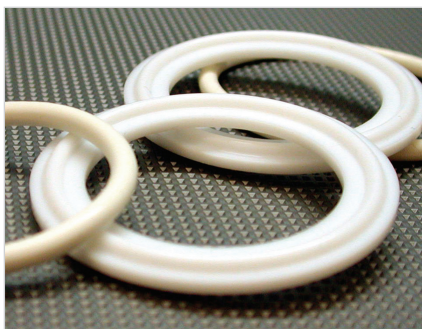


Avalon® Sealing Solutions



Avalon® 87 gaskets and o-rings

Excellent Lubricity, Low Friction

Greene Tweed has formulated and developed custom grades of our Avalon® family to meet the requirements of oilfield environments. Our product capability ranges from wear-resistant grades to low-friction and cryogenic capable materials specifically developed to provide sealing and anti-extrusion functionality.

Fluoropolymer Typical Properties

Material Compound	Avalon® 09	Avalon® 12	Avalon® 57	Avalon® 87	Avalon® 89
Material Type	Graphite-filled TFM	Coke flour-filled PTFE	Polyimide-filled TFM	Low glass-filled TFM	Carbon/ryton high-filled PTFE
Hardness, Shore A/B, Points	55 D	65 D	60 D	63 A	65 – 70 A
Application Types & Benefits	Low-duty cycle, low-friction, gaseous sealing MSEs*, primary Vee-rings – low pressure Caps for Ener-Cap®, Advancap™, & ACGT™ seals	High-duty cycle, higher temperature, gaseous sealing MSEs Secondary Vee-rings – deformation resistant Intermeidate back-up rings for o-rings, T-seals with Arlon® back-up rings in HPHT applications Caps for Ener-Cap®, Advancap™, & ACGT™ seals	MSEs – High-duty cycle, higher temperature, & pressure oil-based fluids Primary Vee-rings – High-pressure gas sealing, oil-based fluids	High-duty cycle, higher temperature MSEs Primary Vee-rings – High-pressure Caps for Ener-Cap®, Advancap™, & ACGT™ seals	High-duty cycle, higher temperature & pressure, abrasive media. High creep resistance MSEs primary/secondary Vee-rings – wear resistant Caps for Ener-Cap®, Advancap™, & ACGT™ seals
Service Temperature °F [°C]	-436 to 500 [-260 to 260]	-436 to 500 [-260 to 260]	-436 to 500 [-260 to 260]	-436 to 500 [-260 to 260]	-436 to 500 [-260 to 260]

*MSEs include finger spring, coil spring MSEs, and scraper lip MSEs.

Contact Us

Greene Tweed
Houston, TX, USA

Tel: +1.281.765.4500
Fax: +1.281.821.2696

Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance nor modify or alter our standard warranty applicable to such products.
© 2018, Greene Tweed all rights reserved. All trademarks are property of their respective owners.

07/18-GT DS-US-OF-162