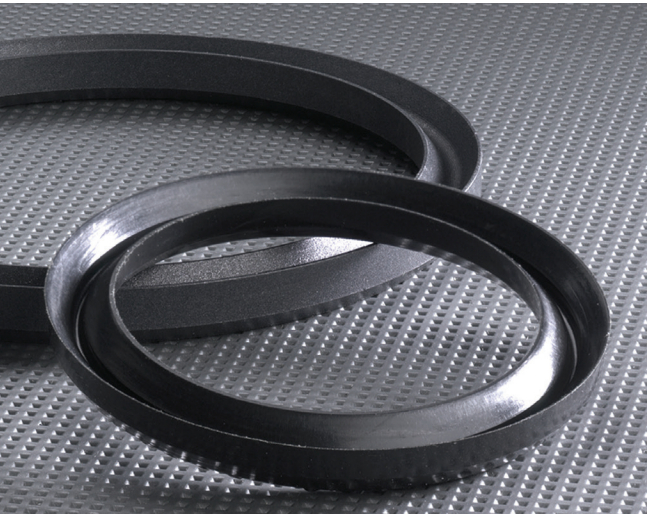




V-Rings

Elastomeric/Thermoplastic



Sealing Solutions

A multi-lip (redundant), pressure- activated seal is constructed of elastomeric and/or thermoplastic components. Pressure differential develops across each lip and a column mechanical load expands across the entire packing set and is constant at any point in the set.

Vector forces acting on the lips of the V induce a radial load that is a function of the V-ring design.

The redundancy concept of the multiple lips maintains sealing integrity over all application parameters, minimizing the chances of catastrophic failure.

Seal Configuration

Gland Design: Greene Tweed designers prefer open gland configurations to accurately control the FSH and CSH (Free and Confined Stack Heights), provide optimum seal performance, and aid installation.

Adapters: End and central adapters are manufactured from Greene Tweed proprietary thermoplastics.

Thermoplastics do not gall or corrode and can be designed as a bearing or debris barrier.

Elastomer Selection	
HNBR	209
NBR	979
FKM	929 fiber-reinforced 926 rapid gas decompression resistant
CR	980
Fluoraz®	790, 799
Chemraz®	510, 526

Please refer to GT for design constraints and recommendations.

Thermoplastic Selection	
Arlon®	Proprietary grades of PEEK
Arlon® 1000	Virgin, injection molded
Arlon® 1160	Glass-reinforced grade
Arlon® 1260	Carbon-fiber-reinforced grade
Arlon® 1330	Lubricated grade
Arlon® 1555	Carbon fiber/Lubricated grade
Avalon®	Proprietary reinforced grades of PTFE

Please refer to GT for design constraints and recommendations.

Note: Please refer to Greene Tweed Houston Engineering for part numbers.

Greene Tweed

1930 Rankin Road | Houston TX 77073 USA | Phone: (+1) (281) 765-4500 | www.gtweed.com