



### Sealing Solutions

Greene Tweed has extensive experience in designing and manufacturing V-rings and seal stacks incorporating elastomeric and/or thermoplastic end and central adapters.

### Specialty Compounds

V-ring applications require specially developed elastomer and thermo- plastic compounds. Some compounds and their features are listed on the right side of this page.

Compounds		Features
CR	980	High-strength, fiber-filled
NBR	160	Low-temperature applications
HNBR	209	High-performance nitrile
FKM	926, 929	Rapid gas decompression-resistant elastomer, fiber reinforced
Fluoraz®	799, 790	High-temperature, steam-resistant elastomer
Chemraz®	510, 522, 526	The ultimate chemically resistant elastomer, rapid gas decompression resistant compound

### Custom Designs

#### Thermoplastics include:

- » Arlon® — Greene Tweed developed various proprietary grades of PEEK that give strength/high-temperature resistance to erosion/high-pressure capability and excellent chemical compatibility.
- » Avalon® — Greene Tweed has developed several chemically and physically superior proprietary grades of PTFE for the oilfield industry. When used in open glands, Greene Tweed designers can accurately control the FSH (free stack height) and CSH (confined stack height), ensuring optimum performance.

#### Service-proven designs combine elastomer and thermoplastic adapters:

- » V-seal stacks can be supplied as a complete assembly, incorporating thermoplastic end and central adapters.
- » Thermoplastic adapters are noncorrosive and nongalling at tighter tolerances and are designed to act as bearing and debris barriers.

The staging effect of elastomeric and thermoplastic sealing elements provides sealing integrity across a broad range of service conditions.

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.

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## **KLINGER Limited**

### **AUSTRALIA**

Western Australia - Head Office  
38 McDowell Street  
Welshpool WA 6106

Queensland  
Unit 3, 5-7 Roseanna Street  
Gladstone QLD 4680

Tel: 1300 798 279  
(calls within Australia)

Tel: +61 8 9251 1688  
(calls outside Australia)

### **NEW ZEALAND**

Tel: +64 272 735 045

### **SINGAPORE**

105 Cecil Street #07-01, The Octagon  
Singapore 069534  
Tel: +65 6827 9045

### **KLINGER Thailand**

501/2 Moo 2, Tambol Mabyangporn  
Amphur Ruak Daeng  
Rayong 21140 Thailand  
Tel: +66 3306 0154