

## PRODUCT PHYSICAL PROPERTIES:

- **Product: PV-Series**
- **Product Components:**
  1. Neoprene seal, meeting ASTM, D-3542
  2. Lube/adhesive, meeting ASTM, D-4070

**Table 1 - Values for the Neoprene Seal**

<b>TABLE 1 – Physical Properties of the Neoprene Seal</b>		
Property	ASTM Test Method	Requirement
Tensile strength, min.	D412	2000 psi
Elongation at break, min.	D412	250%
Hardness, Type A durometer	D2240	55 +/-5
Oven aging, 70h @ 212° F	D573	
Tensile strength, max.		20% loss
Elongation, max.		20% loss
Hardness, Type A duro.		0 to +10 pts
Oil swell, ASTM Oil No. 3		
70h @ 212 ° F		
Weight change, max.	D471	45%
Ozone resistance, 20% strain	D1149	
70 hours aging, D573, 3 ppm in air		No cracks

**Table 2 - Values for the Lube/Adhesive**

<b>TABLE 2 – Physical Properties of the High Strength Adhesive</b>	
Property	Requirement
Adhesive Type	2-Component thixotropic paste
Tensile Strength	4500 psi
Axial Compression	8775 psi
Pot Life	45 minutes at 68° F
Flash Point	>200°F (both components)
Non-volatile Content	100% Reactive
Initial Cure @ 70°F	24 Hours