

PRODUCT PHYSICAL PROPERTIES:

- **Product: J-Series**
- **Product Components:**
 1. Neoprene seal, meeting ASTM D-3542-82
 2. Two-part epoxy adhesive

Table 1 - Values for the Neoprene Seal

TABLE 1 – Physical Properties of the Neoprene Seal		
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 70 hours aging, D573, 3 ppm in air	D1149	No cracks

Table 2 - Values for the Two Part Epoxy Adhesive

TABLE 2 – Physical Properties of the High Strength Adhesive	
Property	Requirement
Adhesive type	2-Component thixotropic paste
Tensile strength	4500 psi
Axial compression	8775 psi
Solids Hardness	5 MOHS
Pot life	45 minutes at 68°F
Hardness	Shore D, 82 -84
Flash point	> 200°F (both components)
Non-volatile content	100% Reactive
Initial cure @ 70° F	24 hours
Complete cure	7 days @ 68°F