

PRODUCT PHYSICAL PROPERTIES:

- **Product: BR-Series**

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

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 Lube/Adhesive

TABLE 2 – Physical Properties of Lubricant/Adhesive		
Property	Test Method Section	Requirement
Solids Content, min %	10.1	60
Homogeneity		Shall be uniform, no lumps or agglomerates, no settlement in container
Shear Ratio at:		
Min:		
At 20,000 to 100,000	cP	1.5
At 100,001 to 200,000	cP	2.0
At 200,001 to 300,000	cP	2.5
Max		4.0
Lubricating life, min. h	10.3	2
Sag	10.4	No sagging
Peel strength test	10.5	Max. length peeled from concrete within 3 min.
500-g load		None
1000-g load		12mm (1/2 in.)
Shelf life	11.1	For 6 months after manufacture