

Sl. No.	Description of items	Approximate Value	
1.	Material of liner (as per following property)	Elastomeric Polymer alloy	
1.1	Ultimate Tensile Strength (MPa)	37.5	
1.2	% Elongation ASTM D-412	150	
	Young's Modulus Mpa (tensile)	605	
1.3	Poisson Ratio	-0.45	
1.4	Volumetric Swell (%)@20°C (68°F)		
	-Water	1.3	
1.5	Coefficient of Friction :		
	Dry	Static	0.25-0.35
		Dynamic	0.10-0.20
	Wet	Static	0.25-0.35
Dynamic		0.10-0.20	
1.6	Flammability	Self Extinguishing	
1.7	Operating temperature.		
	Dry Min/Max (°C)	-60/107	
	Wet Min/Max (°C)	-7/60	
1.8	Suitable for Dry start up	Yes	
1.9	Abrasion resistance	Yes	

Note : Site condition at BPSCL (where in supplied bearing liners to be fitted).

Sl. No.	Description	Materials
1.	Shaft sleeve material (of the pump)	stainless steel
2.	Material of Bearing carrier (in which the liner has to be fitted)	Brass
3.	Medium	Raw water
4.	Pump orientation	Vertical